JVC

SERVICE MANUAL

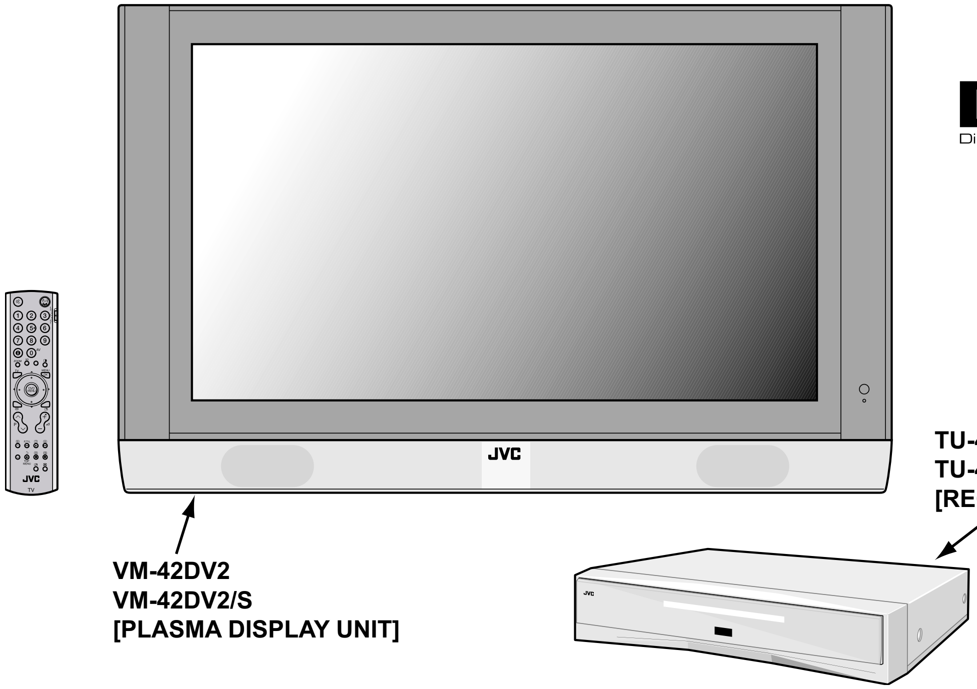
PDP COLOUR TELEVISION

PD-42DV2
PD-42DV2/S

BASIC CHASSIS
MK

D.I.S.T.
Digital Image Scaling Technology

CINEMA SURROUND


TU-42DV2
TU-42DV2/S
[RECEIVER UNIT]
VM-42DV2
VM-42DV2/S
[PLASMA DISPLAY UNIT]

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SPECIFICATION

Items		Contents
Dimensions (W x H x D)	Plasma display unit	116.0cm x 73.1cm x 9.8cm
	Receiver unit	43.5cm x 9.9cm x 38.2cm
Mass	Plasma display unit	38.0kg
	Receiver unit	5.6kg
TV RF System		B, G, I, D, K, M
Colour System	TV Mode	PAL / SECAM/NTSC3.58/NTSC4.43
	Video Mode	PAL / SECAM / NTSC3.58 / NTSC4.43
Stereo System		A2 (B/G, D/K), NICAM (B/G, I, D/K)
Teletext System		FLOF (Fastext), TOP, WST (World Standard System)
Receiving Frequency	VHF Low	46.25MHz ~ 168.25MHz
	UHF High	175.25MHz ~ 463.25MHz
	UHF	471.25MHz ~ 863.25MHz
	CATV	Mid: X~Z, S11~S10
		Super: S11~S20
		Hyper: S21~S41
Intermediate Frequency	VIF	38.0MHz (B, G, I, D, K, L)
	SIF	32.26MHz (5.74MHz: B), 32.15MHz (5.85MHz: G), 31.45MHz (6.55MHz: I) 31.75MHz (6.25MHz: D), 32.15MHz (5.85MHz: K)
Colour Sub Carrier Frequency		PAL : 4.43MHz SECAM : 4.40MHz / 4.25MHz NTSC : 3.58MHz / 4.43MHz
Power Input		AC110V ~ AC240V, 50Hz / 60Hz
Power Consumption	Plasma display unit	Operate : 330W, Stand by: 1.5W
	Receiver unit	Operate : 30W, Stand by: 2.4W
Plasma Display Panel (PDP)		⚠ QLE0023-002 42-inch wide aspect (16:9)
Screen Size		Visible size : 107.5cm (Diagonel) / 93.4cm x 53.4cm (H x V)
Display Pixels		Horizontal: 852 pixels / Vertical: 480 pixels [W-VGA]
Speaker		Main : 3cm x 10cm, Oval type x2 Woofer : 6.5cm x 13cm, Oval type x2
Audio Power Output		Main : 9W + 9W Woofer : 9W + 9W
Aerial Input Teminal		75Ω unbalanced
Video / Audio Iutput (1/2/3/4/5)	S-Video (2/3/5)	Mini-DIN 4 pin connector x3 Y : 1V(p-p), positive (negative sync provided), 75Ω C: 0.286V(p-p) (Burst signal), 75Ω
	Video (1/2/3/5)	1V(p-p), negative sync, 75Ω, RCA pin jacj x4
	Audio (1/2/3/4/5)	500mV(rms) (-4dBs), high impedance, RCA pin jack x10
	Component (4)	RCA pin jack x3 Y : 1V(p-p), positive (negative sync), 75Ω CB/CR : 0.7V(p-p), 75Ω
Video / Audio Output	Video	1V(p-p), 75Ω, RCA pin jack x1
	Audio	500mV(rms)(-4dBs), Low impedance (400Hz when modulated 100%), RCA pin jack x4
Headphone		3.5mm stereo mini jack x1
Display Input / Output Terminal (For system cable)		Control / Audio: 26-pin D-sub connector Video: 24pin DVI-D connector
Remote Control Unit		RM-C1808 (AA/R6 battery x 2)

Design & specifications are subject to change without notice.

SECTION 1
PRECAUTION

1.1 SAFETY PRECAUTIONS

(1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (⚠) on the parts list in Service manual.** The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.

(4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⏊) side GND, the ISOLATED (NEUTRAL) : (⏚) side GND and EARTH : (⊜) side GND. Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.).If above note will not be kept, a fuse or any parts will be broken.

(5) If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See ADJUSTMENT OF B1 POWER SUPPLY).

(6) The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.

(7) Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10kΩ 2W resistor to the anode button.

(8) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

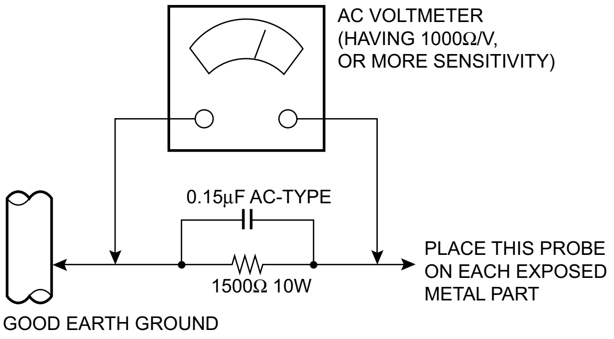
(9) **Isolation Check**
(Safety for Electrical Shock Hazard)
After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

a) Dielectric Strength Test
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)
This method of test requires a test equipment not generally found in the service trade.

b) Leakage Current Check
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

Alternate Check Method

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 ohms per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



1.2 INSTALLATION

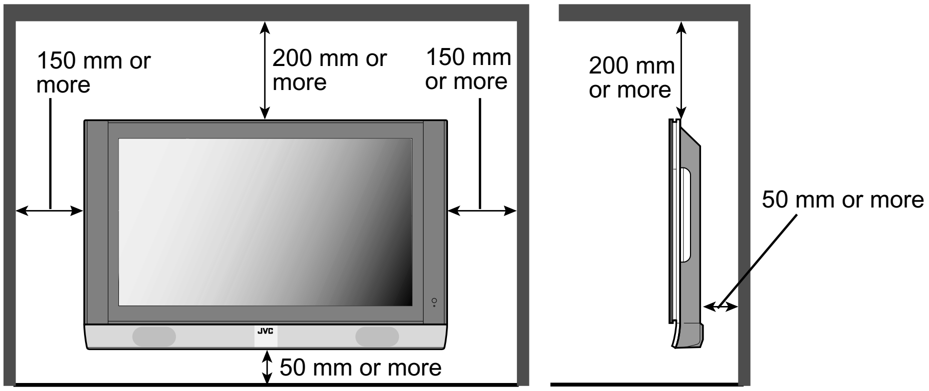
1.2.1 HEAT DISSIPATION

If the heat dissipation vent behind this unit is blocked, cooling efficiency may deteriorate and temperature inside the unit will rise. The temperature sensor that protects the unit will be activated when internal temperature exceeds the pre-determined level and power will be turned off automatically.
Therefore, please make sure pay attention not to block the heat dissipation vent as well as the ventilation outlet behind the unit and ensure that there is room for ventilation around it.

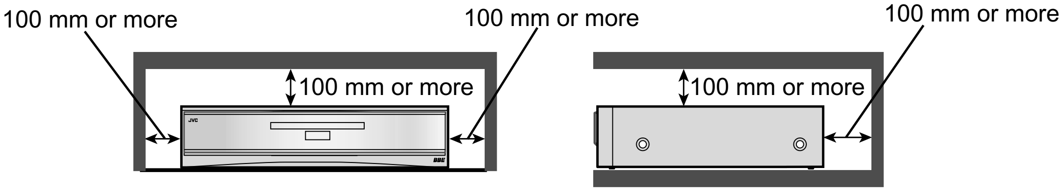
1.2.2 INSTALLATION REQUIREMENTS

Ensure that the minimal distance is maintained, as specified below, between the unit with and the surrounding walls, as well as the floor etc.
Install the unit on stable flooring or stands.
Take precautionary measures to prevent the unit from tipping in order to protect against accidents and earthquakes.

SPACE REQUIRED FOR INSTALLATION OF THE DISPLAY UNIT

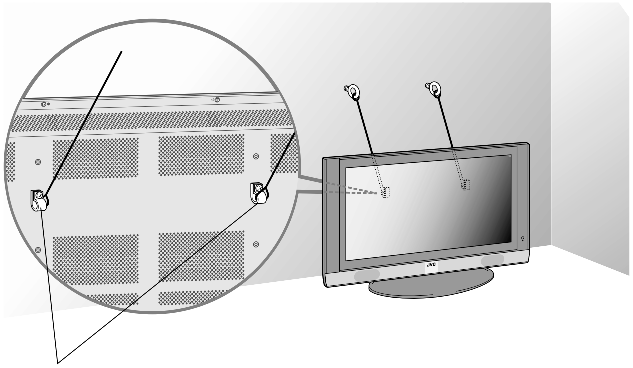


SPACE REQUIRED FOR INSTALLATION OF THE RECEIVER UNIT



1.2.3 FALL TIP PREVENTION MEASURES

Take precautionary measures to prevent the unit from falling or tipping to protect against emergencies such as earthquakes as well as accidents.
Fasten the supplied hook for tip fall prevention using the screws, also supplied, behind the display unit, and use them together with durable cords (to be purchased separately) to secure the unit to a robust part such as the wall surface or pillars.



The supplied hook for tipfall prevention

1.3 PRECAUTIONS REGARDING PDP

1.3.1 PRECAUTIONS DURING NOTES FOR TRANSPORTATION

When transporting the display unit, pressure exerted on the internal PDP (Pplasma Ddisplay Ppanel) due to improper handling (such as tossing and dropping) may cause damages even when the unit is carefully packed. To prevent accidents from occurring during transportation, pay careful attention prior to delivery such as through explaining the handling instructions to transporters.

Ensure that the following requirements are met during transportation, as the PDP of this unit is made of glass and therefore fragile:

(1) Avoid vibrations and impacts
The unit may be broken if it is toppled sideways even when properly packed. Ensure that the unit is carried by at least 2 persons and pay careful attention not to exert any vibration or impact on it.

(2) Do not place equipment horizontally
Ensure that it is placed upright and not horizontally during transportation and storage as the PDP is very vulnerable to lateral impacts and may break easily under such circumstances.
During transportation, ensure that the unit is loaded along the traveling direction of travel of the vehicle, and avoid stacking them on one another.
For storage, ensure that they are stacked in 2 layers or less even when placed upright.

1.3.2 RESIDUAL IMAGE / BURN-IN ON SCREEN

Like CRTs, "burn-in" may occur when a same image is continuously displayed over an extended period of time.
As Tthis may also shorten the life span of the PDP. Therefore, turn off the display when not in use, scroll the screen, make use of screen-savers, or allow even distribution on the display by inverting the brightness, switching to complementary colors or inserting animated images at periodic intervals.
As burn-in is more likely to occur with high brightness and contrast settings, try to use neutral gradations or medium tone colors.
Burn-in does not occur in the case of animated images.
When switching to another image after continuous display of the previous image, residual images may become prominent, as luminance in a part of the display is higher than the other parts.
This is not a defect but is because due to the discharge surface of the lighted portion has becomebeing relatively activated and its luminance higher than the unlighted parts.

1.3.3 INFRARED RAYS

Near Near-infrared rays (800nm to 1000nm) are emitted from the front of the panel, and this may give rise to glitchescause malfunctions in infrared remote controls or communication systems placed near it. In this case, avoid direct infrared rays (and reflected rays in some cases) from the screen by either changing the direction of the unit or other infrared systems or securing a longer keeping a distance from the screen.

1.3.4 OPTICAL FILER (PANEL FILTER)

Avoid placing the unit under direct sunlight over a prolonged period of time. This may cause the optical filter to deteriorate in quality and color.
Clean the filter surface by wiping it softly lightly with outing flannels a soft and lightly fuzz cloth (such as flannel).
Do not use solvents such as benzine or thinner to wipe the filter surface. This may cause the filter to deteriorate in quality or the coating on the surface to come off.
As Tthe filter surface is fragile., Ddo not scratch or hit it with hard materials.

1.3.5 NOTES PRECAUTIONS FOR REPLACEMENT OF EXTERIOR PARTS

Take note of the following when replacing exterior parts (back REAR COVER, FRONT PANEL, optical filter)

- Do not exert pressure on the front of the PDP (glass surface).
- Pay careful attention not to scratch or stain the front of the PDP (surface) with hands.
- When replacing exterior parts, the front of the PDP should be placed facing downward. Place a mat, etc. underneath to avoid causing scratches to the front surface. However, never use materials that are too soft (such as blanket cloth). If replacement is made with the PDP surface facing downward and in contact with the blanket, pressure may be exerted on the PDP, thus causing damages to it.

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

2.1 FEATURES

2.1.1 HIGH-DEFINITION IMAGE TECHNOLOGY (DIST)

- **DIST (Digital Image Scaling Technology)**
  Employs an interpolation method that doubles the scanning lines to realize 480-line flickerfree picture making it especially suitable for reproducing high-resolution pictures even on large-screen displays.

2.1.2 MAIN FUNCTION

- **DIGITAL VNR**
  The DIGITAL VNR function cuts down the amount of noise in original picture. There are three function settings of AUTO,MIN and MAX.
- **Super DigiPure**
  This function uses the latest technology to give viewer a natural looking picture.
  It consist of DigiPure and picture motion compensation function.
- **MOVIE THEATRE**
  This function displays a cinema film picture more smoothly and naturally on the screen.
- **COLOUR MANAGEMENT**
  This function ensures dull colours are compensated to produce natural hues.
- **Sleep Timer**
  Setting for situations such as falling asleep while watching TV, and for prevention against forgetting to turn off the TV. The power supply of the TV will be cut off automatically when the time exceeds the set up timing (maximum 2 hours).
- **3D SOUND function**
  This function makes the speaker sounds like in a wider ambience.
- **Teletext function**
  The teletext broadcast can be viewed and the teletext pages can be stored in memory.
- **T-V LINK function**
  This function make a VCR could automatically download the data or image from the TV, and turn on the TV to view the image when it playing.

2.1.3 ASPECT CONTROL

The screen size can be changed according to the picture aspect ratio.

- **ZOOM function**
  Desired screen size (AUTO/REGULAR / PANORAMIC / 14:9 ZOOM / 16:9 ZOOM / 16:9 ZOOM SUBTITLE / FULL) can be selected.

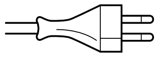
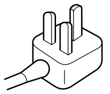
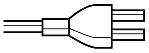
2.1.4 MULTI-SCREEN FUNCTION

- **Twin-pictures / PIP function**
  With the function, two pictures can be displayed at the same time (Twin pictures mode and Picture in picture mode).
- **Multi-picture function**
  With this function, one of multi-picture (12 pictures) can be displayed at the same time.
- **Freeze function**
  The images that are currently seen can be viewed on the memo screen (still picture).
  It is convenient for taking down notes like application address and recipe of cooking program etc, while enjoying the current program.

2.2 UNIT COMPOSITION

MODEL	DISPLAY UNIT	RECEIVER UNIT
PD-42DV2	VM-42DV2	TU-42DV2
PD-42DV2/S	VM-42DV2/S	TU-42DV2/S

2.3 MAIN DIFFERENCE LIST

Item	PD-42DV2	PD-42DV2/S
DISPLAY unit		
FRONT FILTER	LC32461-001A	LC32436-001A
RECEIVER unit		
RATING LABEL	LC21209-003B-0L	LC21209-004B-0L
BACK COVER	LC21211-003A	LC21211-004A
ACCESSORY		
POWER CORD(EU)	QMPL050-250-K 	---
POWER CORD(EK)	QMPP170-200-JC 	←
POWER CORD(JP)	QMPB320-180-R 	---

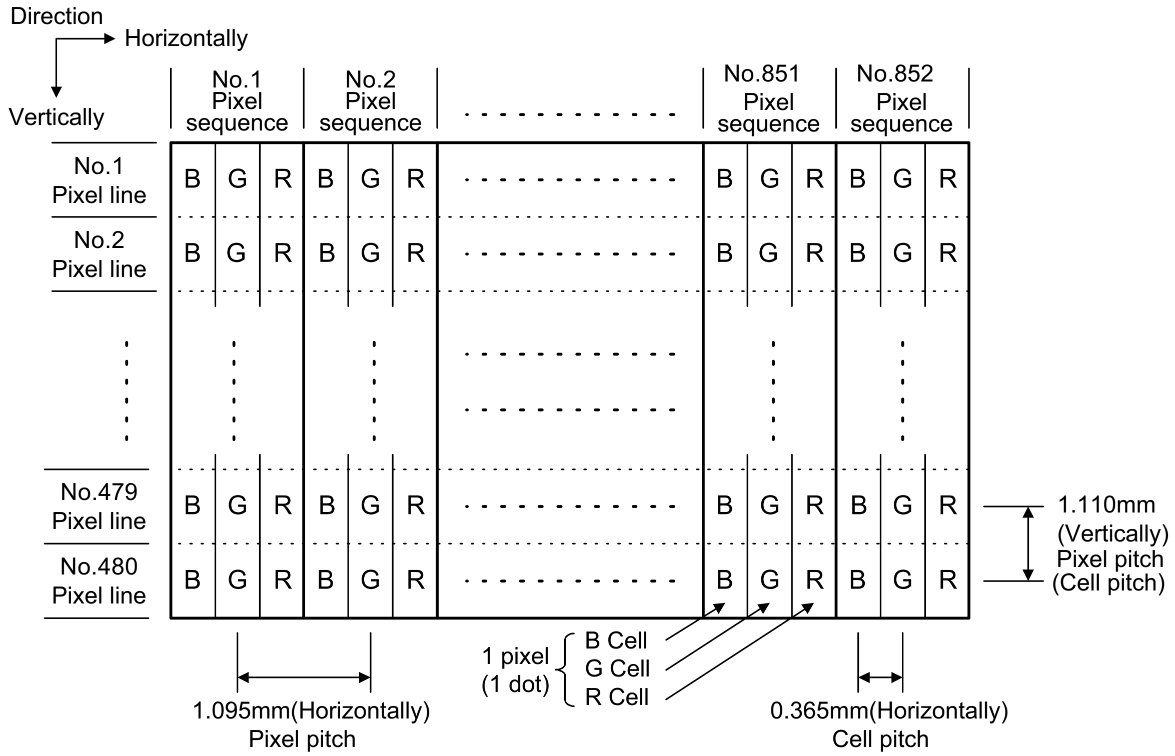
2.4 TECHNICAL INFORMATION

2.4.1 PDP STRUCTURE AND CHARACTERISTIC

This unit (Display Unit) uses the flat type panel PDP (Plasma Display Panel), instead of the conventional CRT (Cathode Ray Tube), as a display unit.

2.4.1.1 PIXEL (CELL) ARRAY

PDP is constructed by sealing the xenon, which emits neon and ultraviolet rays for discharging purpose, in between the electrodes lay on the front glass substrate and rear glass substrate.
One pixel is composed of 3 RGB cells, with cell pitch of 0.365mm (1 pixel 1.095mm) horizontally and 1.110mm vertically.
The cell is arrayed in each RGB color as shown in Fig. 1. One pixel is formed by interlacing each RGB color cell.
One cell size is 0.365mm horizontally and 1.110mm vertically.



Direction
Horizontally
Vertically
No.1 Pixel sequence
No.2 Pixel sequence
No.851 Pixel sequence
No.852 Pixel sequence
No.1 Pixel line
No.2 Pixel line
No.479 Pixel line
No.480 Pixel line
B G R B G R
1.110mm (Vertically) Pixel pitch (Cell pitch)
1 pixel (1 dot)
B Cell
G Cell
R Cell
1.095mm(Horizontally) Pixel pitch
0.365mm(Horizontally) Cell pitch

Fig.1

2.4.1.2 PIXEL DEFECTS

Though PDP is made by means of ultra precise technology, there are cases whereby not all pixels (cell) will function properly. In some cases, there may be defective pixels that do not light at all or the ones that always light on.
There are 3 types of Pixel defects, [Bright Dot Defects], [Dark Dot Defects] and [Flicker Dot Defects], as defined respectively in the following:

(1) Bright Dot Defects
Bright dot defect is a pixel cell that lights though it should not light.
The presence of bright dot defects can be confirmed by inputting a full black signal (pattern).

(2) Dark Dot Defects
Dark dot defect is a pixel cell that does not light, though it should light.
The presence of dark dot defects can be confirmed by inputting a 100% full white signal (pattern).

(3) Flicker Dot Defects
Flicker dot defect is a pixel cell that blinks though it should light or not light.
The presence of flicher dot defects can be confirmed by inputting a full black signal (pattern).

2.4.2 MAIN CPU FUNCTIONAL TABLE (RECEIVER UNIT)

Pin No.	Terminal Name	Port Name	I/O	Remark
1	TCK	TCK	I	
2	TMS	TMS	I	
3	TDI	TDI	I	
4	TDO	TDO	O	
5	REMOCON	P2.8	I/O	
6	KEY1	P2.9	I/O	
7	KEY2	P2.10 (NOR/INST)	I/O	
8	KEY3	P2.11	I/O	
9	TV_LINK	P2.12	I/O	
10	POWER	P2.13	I/O	
11	PROTECT	P2.14	I/O	
12	POWERG	P2.15	I/O	
13	VSS33	VSS33	I	GND
14	VDD33	VDD33	I	3.3V
15	TV_LINK OUT	P4.5	O	
16	A20	A20	O	
17	A19	A19	O	
18	A18	A18	O	
19	A17	A17	O	
20	VSS25	VSS25	I	GND
21	VDD25	VDD25	I	2.5V
22	A16	A16	O	
23	A8	A8	O	
24	A7	A7	O	
25	A9	A9	O	
26	A6	A6	O	
27	A5	A5	O	
28	A10	A10	O	
29	A11	A11	O	
30	A12	A12	O	
31	VSS33	VSS33	I	GND
32	VDD33	VDD33	I	3.3V
33	A4	A4	O	
34	A3	A3	O	
35	A2	A2	O	
36	A1	A1	O	
37	A0	A0	O	
38	A13	A13	O	
39	A14	RAS/A14	O	
40	A15	CAS/A15	O	
41	VSS33	VSS33	I	GND
42	VDD33	VDD33	I	3.3V
43	CLK	MEMCLK	O	
44	CSSDRAM	CSSDRAM	O	
45	CKE	CLKEN	O	
46	CSROM	CSROM	O	
47	RD	RD	O	
48	UDQM	UDQM	O	
49	LDQM	LDQM	O	
50	WR	WR	O	
51	D15	D15	I/O	
52	VSS33	VSS33	I	GND
53	VDD33	VDD33	I	3.3V
54	D7	D7	I/O	
55	D0	D0	I/O	
56	D14	D14	I/O	
57	D8	D8	I/O	
58	D6	D6	I/O	
59	D1	D1	I/O	
60	VSS33	VSS33	I	GND
61	VDD33	VDD33	I	3.3V
62	D13	D13	I/O	
63	D9	D9	I/O	
64	D5	D5	I/O	
65	D2	D2	I/O	
66	D12	D12	I/O	
67	D10	D10	I/O	
68	VSS33	VSS33	I	GND
69	VDD33	VDD33	I	3.3V
70	D4	D4	I/O	
71	D3	D3	I/O	
72	D11	D11	I/O	
73	RESET-IN	RSTIN	I	
74	SCL0	P3.0	I/O	
75	SDA0	P3.1	I/O	
76		P3.2	I/O	
77	PIX_CLK	P3.3	I/O	
78	AMP_MUTE	P3.4	I/O	
79	AUDIO_MUTE	P3.5	I/O	
80	READY	P3.6	I/O	
81	STATUS	P3.7	I/O	
82	DATA	P3.8	I/O	
83	CLK	P3.9	I/O	
84	VSS33	VSS33	I	GND
85	VDD33	VDD33	I	3.3V
86	VSS25	VSS25	I	GND
87	VDD25	VDD25	I	2.5V
88	TXD0	TXD0	I/O	
89	RXD0	RXD0	I/O	
90	IE-MUTE	P3.12	I/O	
91	AA_SDA	P3.13	I/O	
92	AA_SCL	P3.15	I/O	
93	YS2	P5.14(YS2)	I/O	
94	HP_DET	P5.15	I/O	
95	NC	TRIG_IN	I/O	
96	NC	TRIG_OUT	I/O	
97	IIC_FREE	P6.2	I/O	
98	SCL1	P6.3	I/O	
99	SCA1	P6.4	I/O	
100	MSP_RESET	P6.5	I/O	
101	SDA2	P6.6	I/O	
102	VSYNC	VSYNC	O	
103	HSYNC	HSYNC	O	
104	NC	COR/RSTOUT	O	
105	YS	BLANK	O	
106	VDD33	VDD33	I	3.3V
107	VSS33	VSS33	I	GND
108	XTAL1	XTAL1	I	
109	XTAL2	XTAL2	O	
110	VSSA	VSSA	I	GND
111	VSSD	VDDA	I	
112	R	R	O	
113	G	G	O	
114	B	B	I	
115	VSSA	VSSA	I	GND
116	VSSD	VDDA	I	2.5V
117	CVBS2A	CVBS2	I	
118	VSSA	VSSA	I	GND
119	VDDA	VDDA	I	
120	CVBS1B	CVBS1B	I	
121	CVBS1A	CVBS1A	I	
122	VSSA	VSSA	I	GND
123	VDDA	VDDA	I	2.5V
124	AFC1	P5.0	I	
125	AFC2	P5.1	I	
126	AGC	P5.2	I	
127	KEYP2	P5.3(KEYP2)	I	
128	TMODE	TMODE	I	

SECTION 3
DISASSEMBLY

3.1 DISASSEMBLY PROCEDURE [DISPLAY UNIT]

CAUTION:

- When exchanging parts etc. with the front side (PDP side) fancing down,please place a protection sheet below before starting, so as to prevent scratches on the front side.

3.1.1 REMOVING THE REAR COVER (Fig. 1)

(1) Remove the power cord and system cable.
(2) Remove the 12 screws[A] and 9 screws [B], and remove the REAR COVER.

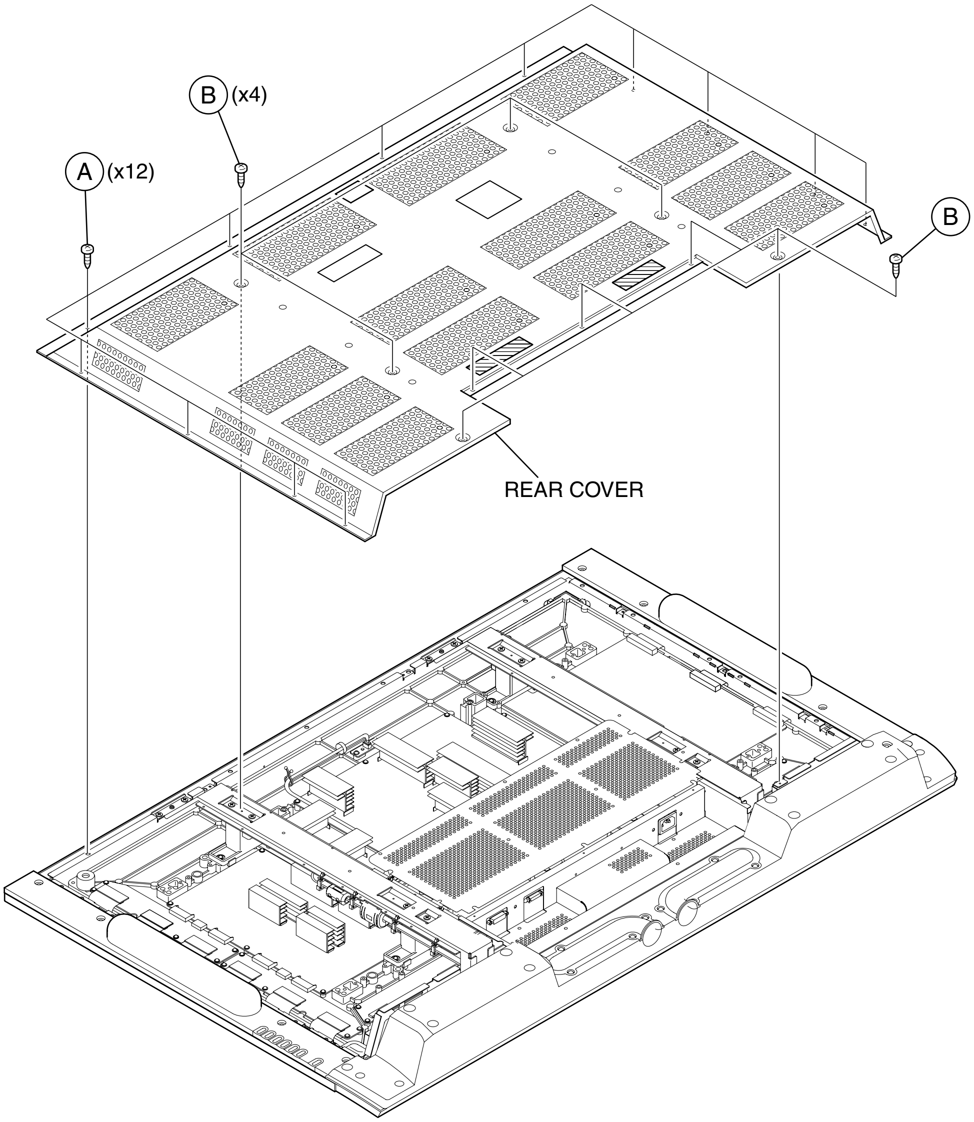


Fig.1

3.1.2 REMOVING THE TERMINAL COVER (Fig.2)

- Remove the REAR COVER.

(1) Remove the 6 screws [C], withdraw the CHASSIS SHIELD BRACKET.
(2) Remove the 2 screws [D], the 2 screws [E] and 3 screws [F], and remove the TERMINAL COVER.

3.1.3 REMOVING THE LINE FILTER PWB (Fig. 2)

- Remove the REAR COVER.
- Remove the CHASSIS SHIELD BRACKET.
- Remove the TERMINAL COVER.

(1) Remove the LINE FILTER INSULATOR.

CAUTION:

- On that occasion,please pay attention to the claws on both sides.

(2) Disconnect the connector [CN8001] from the SMPS PWB.
(3) Remove the 2 screws [G], 1 screw [H] and 1 screw [I], and remove the LINE FILTER PWB.

NOTE:

- It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.1.4 REMOVING THE AUDIO PWB (Fig.2)

- Remove the REAR COVER.
- Remove the CHASSIS SHIELD BRACKET.
- Remove the TERMINAL COVER.

(1) Disconnect the connector [CN9003] from the VIDEO SMPS PWB.
(2) Disconnect the connectors [CN00A],[CN00C],[CN00D] from the DISPLAY INTERFACE PWB.
(3) Disconnect the connectors [CN60CB], [CN60SR], [CN60SL] from the SPEAKER.
(4) Remove the 4 screws [J], and remove the AUDIO PWB.

NOTE:

- It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.1.5 REMOVING THE DISPLAY INTERFACE PWB (Fig.2)

- Remove the REAR COVER.
- Remove the CHASSIS SHIELD BRACKET.
- Remove the TERMINAL COVER.

(1) Disconnect the connectors [CN00A], [CN00C], [CN00D], [CN00E], [CN00Q], [CN00T], [CN00V], [CN00X], [CNLVDS] from the DISPLAY INTERFACE PWB.
(2) Remove the 3 screws [K], the 1 screw [L], the 2 screws [M] and the 2 screws [N], and withdraw the DISPLAY INTERFACE PWB.

NOTE:

- It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.1.6 REMOVING THE CHASSIS BASE (Fig.2)

- Remove the REAR COVER.
- Remove the CHASSIS SHIELD BRACKET.
- Remove the TERMINAL COVER.
- Remove the LINE FILTER PWB.
- Remove the AUDIO PWB.
- Remove the DISPLAY INTERFACE PWB.

(1) Remove the 2 screws [O], and remove the CHASSIS BASE.

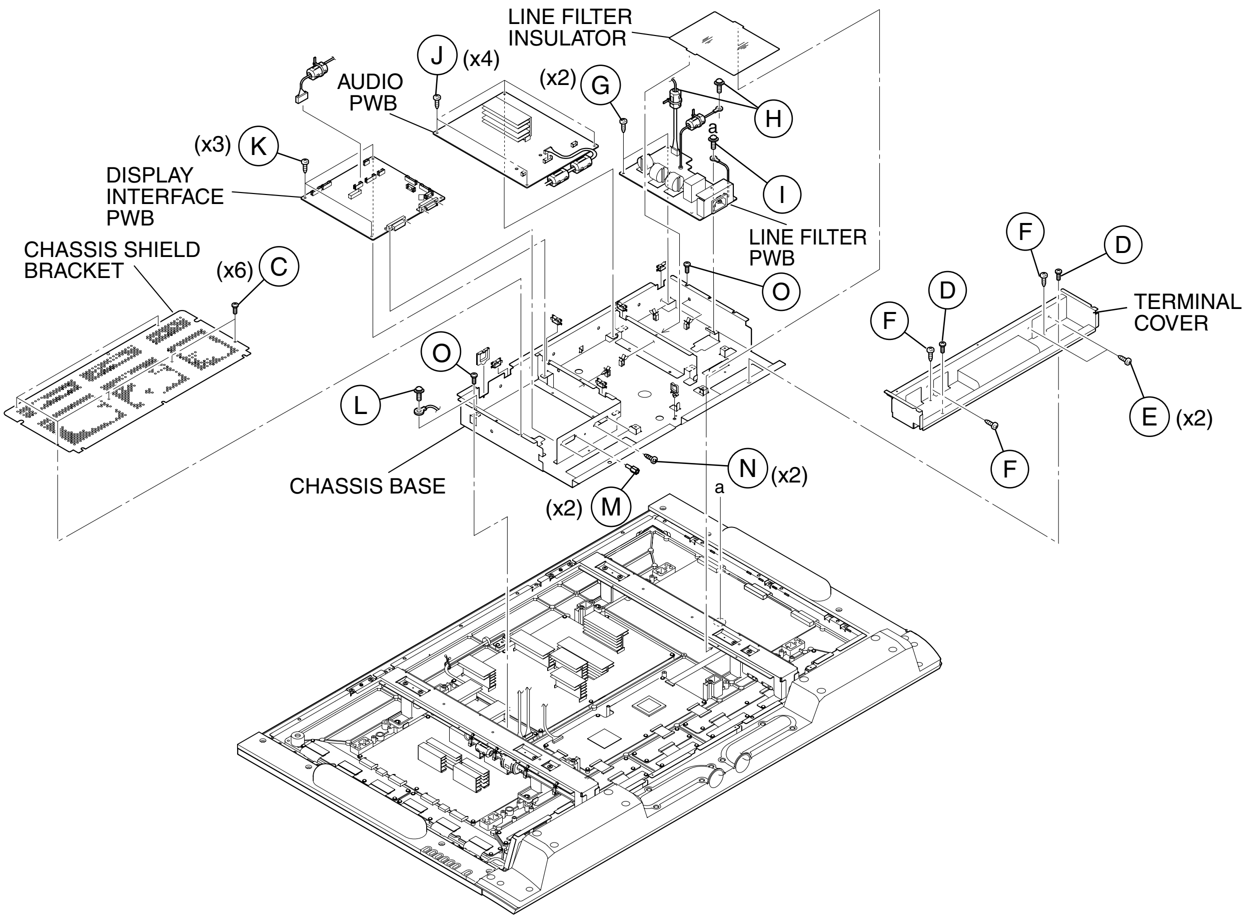


Fig.2

3.1.7 REMOVING THE TEMP. SENSOR PWB (Fig.3)

- Remove the REAR COVER.
  (1) Disconnect the connector [CN00V] from the DISPLAY INTERFACE PWB.
  (2) Remove the 1 screw [P], and withdraw the TEMP. SENSOR PWB.

  NOTE:
  - It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.1.8 REMOVING THE DISPLAY SWITCH PWB (Fig.3)

- Remove the BACK COVER(R).
  (1) Remove the 2 screws [Q], and withdraw the DISPLAY UNIT SET.
  (2) Remove the 3 screws [R], and remove the CONTROL KNOB and INSULATOR.
  (3) Disconnect the connector [CN00T] from the DISPLAY SWITCH PWB.

  NOTE:
  - It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.1.9 REMOVING THE DISPLAY LED PWB (Fig.3)

- Remove the BACK COVER(R).
  (1) Remove the 2 screws [Q], and withdraw the CONTROL KNOB.
  (2) Remove the 2 screws [S], and withdraw the DISPLAY LED PWB.
  (3) Disconnect the connector [CN100X] from the DISPLAY LED PWB.

  NOTE:
  - It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.1.10 REMOVING THE PDP UNIT (Fig.3)

- Remove the REAR COVER.
- Remove the CHASSIS SHIELD BRACKET.
- Remove the TERMINAL COVER.
- Remove the CHASSIS BASE(with each PWB affixed on the CHASSIS BASE).
  (1) Disconnect the connector [CN8001] from the SMPS PWB.
  (2) Disconnect the connector [CN9003] from the VIDEO SMPS PWB.
  (3) Disconnect the connectors [CN00A], [CN00E], [CN00Q], [CN00T], [CN00V], [CN00X], [CNLVDS] from the DISPLAY INTERFACE PWB.
  (4) Remove the 8 screws [T] and the 8 screws [U], and remove the BACK BRACKET(R) and the BACK BRACKET(L).
  (5) Lift the PDP upright and remove it with enough care not to impose shock to the PDP.

  NOTE:
  - It is advisable to take note of the connecting location (connector number) of the removed connectors.

CAUTION:
- Two or more people are required to remove the PDP unit.
- The gas pouring port is covered with the protection material.In operation, be careful not to damage the gas pouring port.
- Do not touch the front side (glass) of the PDP with your fingers.

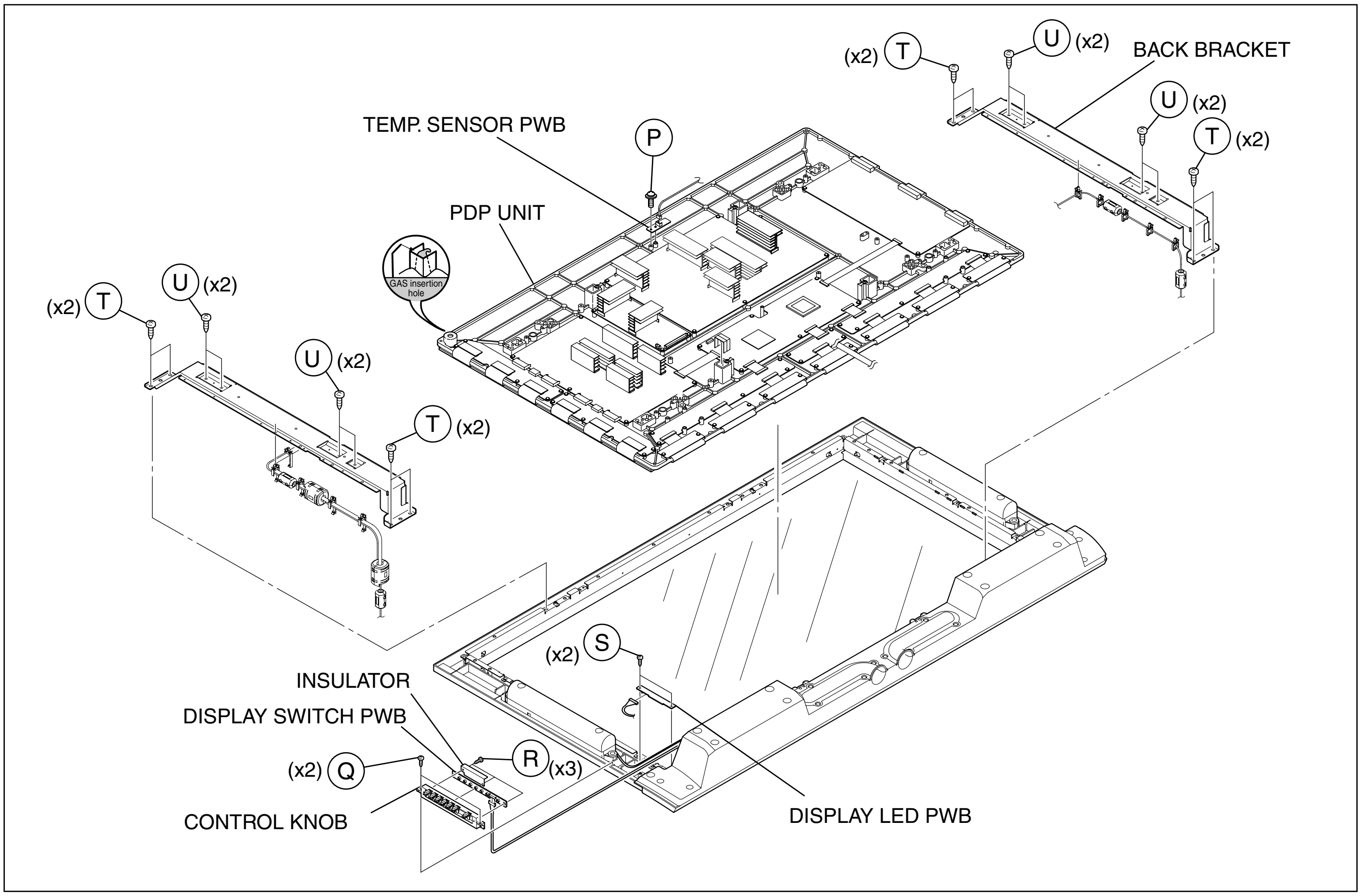


Fig.3

3.1.11 REMOVING THE PWB IN PDP UNIT

3.1.11.1 REMOVING THE SMPS PWB (Fig.4)

- Remove the PDP UNIT.
  1. (1) Disconnect the connectors [CN8002], [CN8003], [CN8004], [CN8006], [CN8007], [CN8008], [CN8009] from the SMPS PWB.
  2. (2) Remove the 8 screws [V], and remove the SMPS PWB.

NOTE:
- It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.1.11.2 REMOVING THE X-MAIN PWB (Fig.4)

- Remove the PDP UNIT.

(1) Disconnect the connectors [CN4001], [CN4002], [CN4003], [CN4004], [CN4005] from the X-MAIN PWB.
(2) Remove the 8 screws [W], and remove the X-MAIN PWB.

NOTE:
- It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.1.11.3 REMOVING THE Y-MAIN PWB (Fig.4)

- Remove the PDP UNIT.

(1) Disconnect the connectors [CN5001], [CN5002], [CN5003], [CN5004], [CN5005],[CN5006], [CN5007], [CN5008] from the Y-MAIN PWB.
(2) Remove the 7 screws [X], and remove the Y-MAIN PWB.

NOTE:
- It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.1.11.4 REMOVING THE LOGIC-MAIN PWB (Fig.4)

- Remove the PDP UNIT.

(1) Disconnect the connector [CN8008] from the SMPS PWB.
(2) Disconnect the connector [CN4002] from the X-MAIN PWB.
(3) Disconnect the connector [CN5001] from the Y-MAIN PWB.
(4) Disconnect the connector [CN401] from the E-BUFFER PWB.
(5) Disconnect the connector [CN402] from the F-BUFFER PWB.
(6) Disconnect the connector [CN403] from the G-BUFFER PWB.
(7) Remove the 6 screws [Y], and remove the LOGIC-MAIN PWB.

NOTE:
- It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.1.11.5 REMOVING THE Y-BUFFER-U PWB (Fig. 4)

- Remove the PDP UNIT.

(1) Disconnect the connectors [CN5401], [CN5402], [CN5403], [CN5404], [CN5405],[CN5406] from the Y-BUFFER-U PWB.
(2) Remove the 5 screws [Z], and remove the Y-BUFFER-U PWB.

NOTE:
- It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.1.11.6 REMOVING THE Y-BUFFER-L PWB (Fig.4)

- Remove the PDP UNIT.

(1) Disconnect the connectors [CN5501], [CN5502], [CN5503], [CN5504], [CN5505],[CN5506] from the Y-BUFFER-L PWB.
(2) Remove the 5 screws [a], and remove the Y-BUFFER-L PWB.

NOTE:
- It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.1.11.7 REMOVING THE E-BUFFER PWB (Fig.4)

- Remove the PDP UNIT.

(1) Disconnect the connectors [CN401], [CN806], [EC1], [EC2], [EC3],[EF1] from the E-BUFFER PWB.
(2) Remove the 6 screws [b], and remove the E-BUFFER PWB.

NOTE:
- It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.1.11.8 REMOVING THE F-BUFFER PWB (Fig.4)

- Remove the PDP UNIT.

(1) Disconnect the connectors [CN402], [FC4], [FE1], [FG1], from the F-BUFFER PWB.
(2) Remove the 4 screws [c], and remove the F-BUFFER PWB.

NOTE:
- It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.1.11.9 REMOVING THE G-BUFFER PWB(Fig.4)

- Remove the PDP UNIT.

(1) Disconnect the connectors [CN403], [GC5], [GC6], [GC7], [GF1] from the G-BUFFER PWB.
(2) Remove the 6 screws [d], and remove the G-BUFFER PWB.

NOTE:
- It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.1.11.10 REMOVING THE VIDEO SMPS PWB (Fig.4)

- Remove the PDP UNIT.

(1) Disconnect the connectors [CN9005], [CN9006], [CN9007] from the VIDEO SMPS PWB.
(2) Remove the 4 screws [e], and remove the VIDEO SMPS PWB.

NOTE:
- It is advisable to take note of the connecting location (connector number) of the removed connectors.

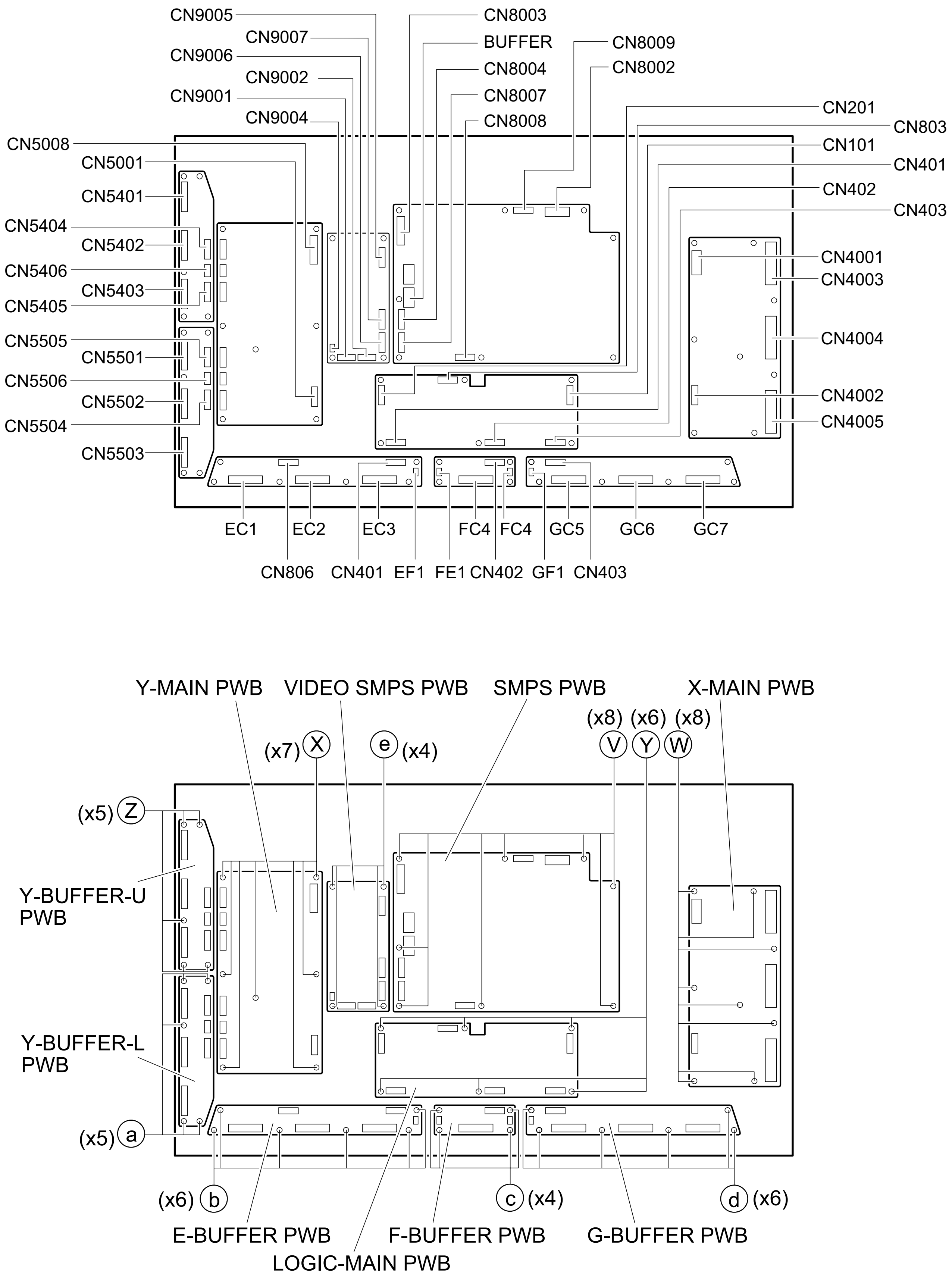

CN9005
CN9007
CN9006
CN9002
CN9001
CN9004
CN8003
BUFFER
CN8004
CN8007
CN8008
CN8009
CN8002
CN201
CN803
CN101
CN401
CN402
CN403
CN5008
CN5001
CN5401
CN5404
CN5402
CN5406
CN5403
CN5405
CN5505
CN5501
CN5506
CN5502
CN5504
CN5503
CN4001
CN4003
CN4004
CN4002
CN4005
EC1
EC2
EC3
FC4
FC4
GC5
GC6
GC7
CN806
CN401
EF1
FE1
CN402
GF1
CN403
Y-MAIN PWB
VIDEO SMPS PWB
SMPS PWB
X-MAIN PWB
(x8) (x6) (x8)
V Y W
(x7) X
e (x4)
(x5) Z
Y-BUFFER-U PWB
Y-BUFFER-L PWB
(x5) a
(x6) b
c (x4)
d (x6)
E-BUFFER PWB
F-BUFFER PWB
G-BUFFER PWB
LOGIC-MAIN PWB

Fig.4

3.1.12 REMOVING THE DD SPEAKER ASS’Y(R) AND DD SPAKER ASS’Y(L) (Fig. 5)

- Remove the REAR COVER
  (1) Remove the 4 screws [f], withdraw the BACK COVER(R) and the SP HOLDER ASS’Y.
  (2) Disconnect the connector [CN60SR] from the AUDIO PWB.
  (3) Remove the 2 screws [g], and remove the DD SPAKER ASS’Y(R).
  (4) Remove the 4 screws [h], and withdraw the BACK COVER(L) and the SP HOLDER.
  (5) Disconnect the connector [CN60SL] from the AUDIO PWB.
  (6) Remove the 2 screws [i], and remove the DD SPEAKER ASS’Y(L).

NOTE:

- It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.1.13 REMOVING THE WOOFER SPEAKER ASS’Y (Fig. 5)

- Remove the REAR COVER.
  (1) Disconnect the connector [CN60CB] from the AUDIO PWB.
  (2) Remove the 6 screws [j], and remove the WOOFER SPEAKER ASS’Y.

NOTE:

- It is advisable to take note of the connecting location (connector number) of the removed connectors.

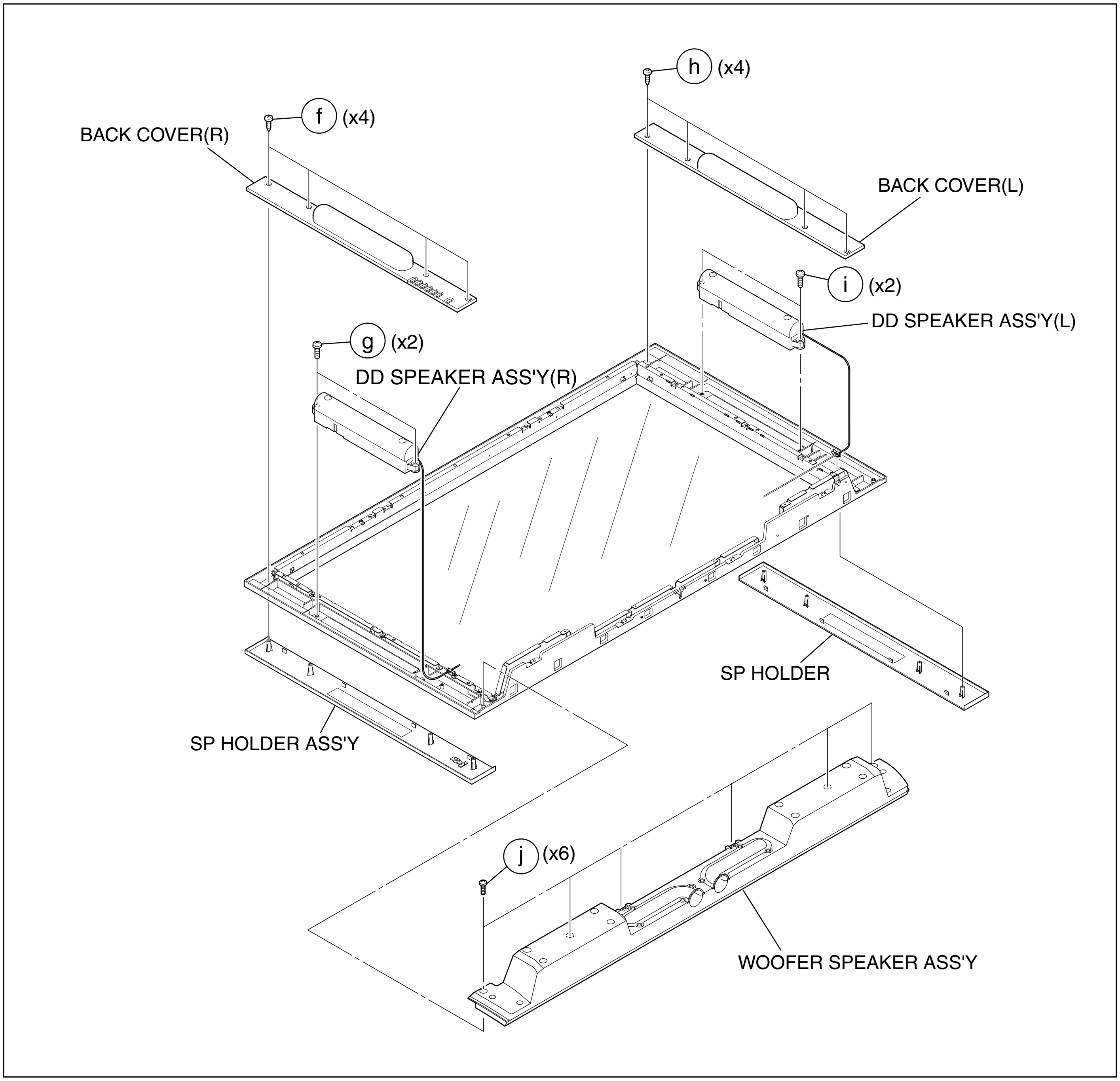

h (x4)
f (x4)
BACK COVER(R)
BACK COVER(L)
i (x2)
DD SPEAKER ASS'Y(L)
g (x2)
DD SPEAKER ASS'Y(R)
SP HOLDER
SP HOLDER ASS'Y
j (x6)
WOOFER SPEAKER ASS'Y

Fig. 5

3.1.14 REMOVING THE FRONT FILTER (Fig. 6)

- Remove the REAR COVER.
- Remove the CHASSIS SHIELD BRACKET.
- Remove the TERMINAL COVER.
- Remove the CHASSIS BASE (with each PWB affixed on the CHASSIS BASE).
- Remove the PDP UNIT.

(1) Remove the 4 mounting bosses [k], the 6 screws [l] and the 6 screws [m], and withdraw the GLASS HOLDERS.

(2) Remove the FRONT FILTER with enough care not to damage it.

3.1.15 REMOVING THE TOP FRAME BRACKET, BOTTOM FRAME BRACKET AND SIDE FRAME BRACKET (Fig. 6)

- Remove the REAR COVER.
- Remove the CHASSIS SHIELD BRACKET.
- Remove the TERMINAL COVER.
- Remove the CHASSIS BASE (with each PWB affixed on the CHASSIS BASE).
- Remove the PDP UNIT.

(1) Remove the 4 screws [n], the 6 screws [o] and the 1 screws [p], and remove the TOP FRAME BRACKET, BOTTOM FRAME BRACKET and SIDE FRAME BRACKET.

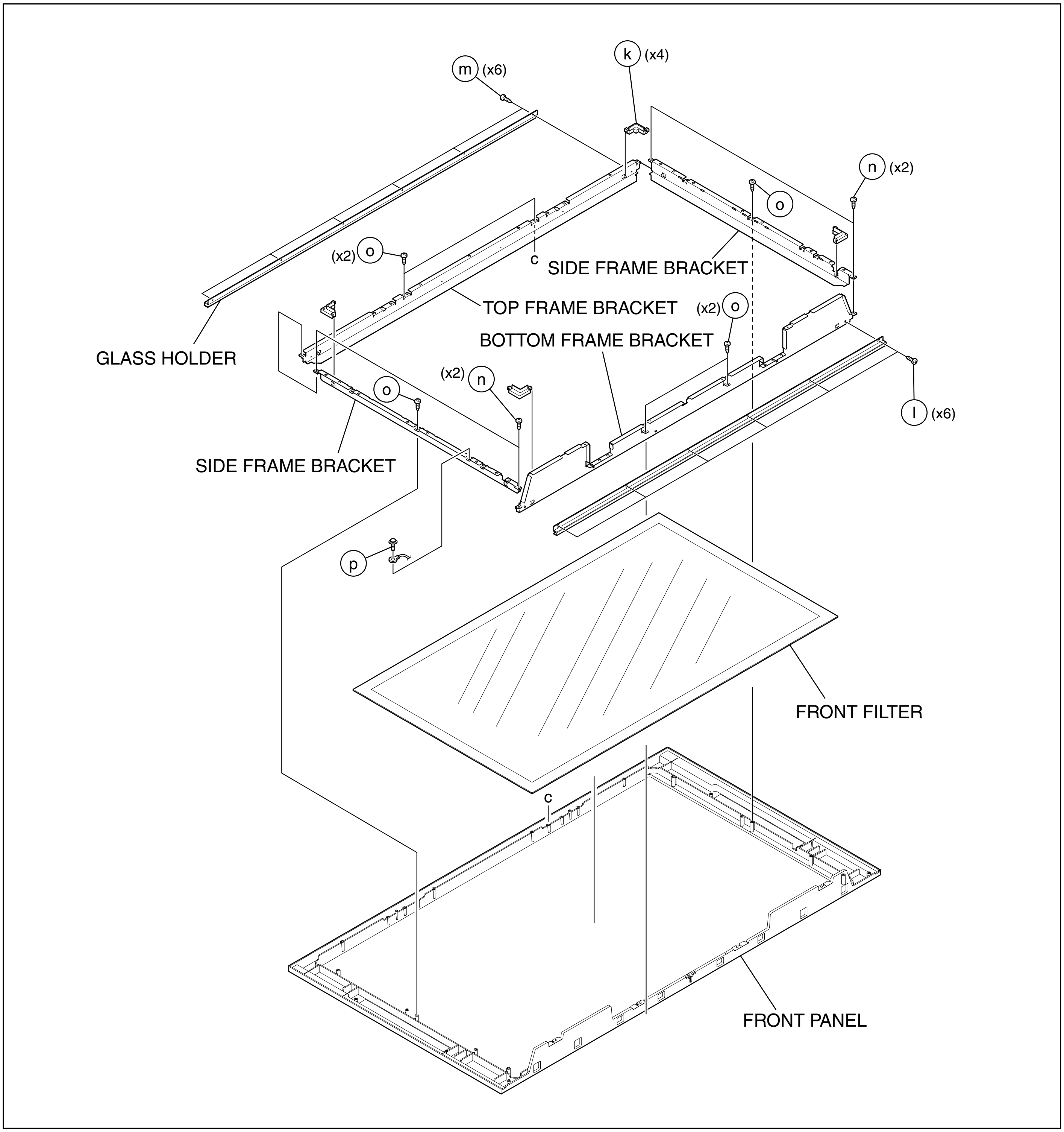

m (x6)
k (x4)
n (x2)
o
(x2) o
c
SIDE FRAME BRACKET
TOP FRAME BRACKET
(x2) o
BOTTOM FRAME BRACKET
GLASS HOLDER
(x2) n
o
l (x6)
SIDE FRAME BRACKET
p
FRONT FILTER
c
FRONT PANEL

Fig. 6

3.2 DISASSEMBLY OF PROCEDURE [RECEIVER UNIT]

3.2.1 REMOVING THE TOP COVER

(1) Remove the 4 screws [A] on the both left and right sides.
(2) Remove the 3 screws [B] on the rear side.
(3) Lift upwards and withdraw the TOP COVER.

3.2.2 REMOVING THE FRONT PANEL

- Remove the TOP COVER.

(1) Remove the 1 screw [C] and 1 screw [D].
(2) Disengage the 2 claws [E] on the both left and right sides.
(3) Disengage the 2 claws [F] on the bottom side.
(4) Withdraw the FRONT PANEL in a front direction.

3.2.3 REMOVING THE DAMPER (INSIDE FRONT PANEL)

- Remove the TOP COVER.
- Remove the FRONT PANEL.

(1) Remove the 1 screw [G], and remove the DAMPER.

3.2.4 REMOVING THE FORNT CONTROL PWB

- Remove the TOP COVER.
- Remove the FRONT PANEL.

(1) Remove the 4 screws [H], and remove the FRONT CONTROL PWB.

3.2.5 REMOVING THE REAR COVER

- Remove the TOP COVER.

(1) Remove the 2 screws [I], 2 screws [J], 2 screws [K], 14 screws [L], 3 screws [M] and 1 connector [N].
(2) Withdraw the REAR COVER in a rear direction.

3.2.6 REMOVING THE DIST PWB AND DIST RELAY PWB

- Remove the TOP COVER.
- Remove the REAR COVER.

(1) Remove the 2 screws [O] and 2 screws [P].
(2) Lift upwards and withdraw the SUPPORT BRACKET, the DIST PWB and the DIST RELAY PWB.
(3) Remove the 6 screws [Q] and remove the SUPPORT BRACKET.
(4) Pull right and left and remove the DIST PWB and DIST RELAY PWB.

3.2.7 REMOVING THE MI-COM PWB AND MI-COM INTERFACE PWB

- Remove the TOP COVER.
- Remove the REAR COVER.
- Remove the DIST PWB and DIST RELAY PWB.

(1) Remove the 1 screw [R] and remove the PB HOLDER.
(2) Lift upwards and withdraw the MI-COM PWB and the MI-COM INTERFACE PWB.
(3) Pull right and left and remove the MI-COM PWB and the MI-COM INTERFACE PWB.

3.2.8 REMOVING THE AV JACK PWB AND AV SWITCH PWB

- Remove the TOP COVER.
- Remove the REAR COVER.
- Remove the DIST PWB and DIST RELAY PWB.
- Remove the MI-COM PWB and MI-COM INTERFACE PWB.

(1) Lift upwards and withdraw the AV JACK PWB and the AV SWITCH PWB.
(2) Pull right and left and remove the AV JACK PWB and the AV SWITCH PWB.

3.2.9 REMOVING THE MAIN PWB AND RECEIVER POWER PWB

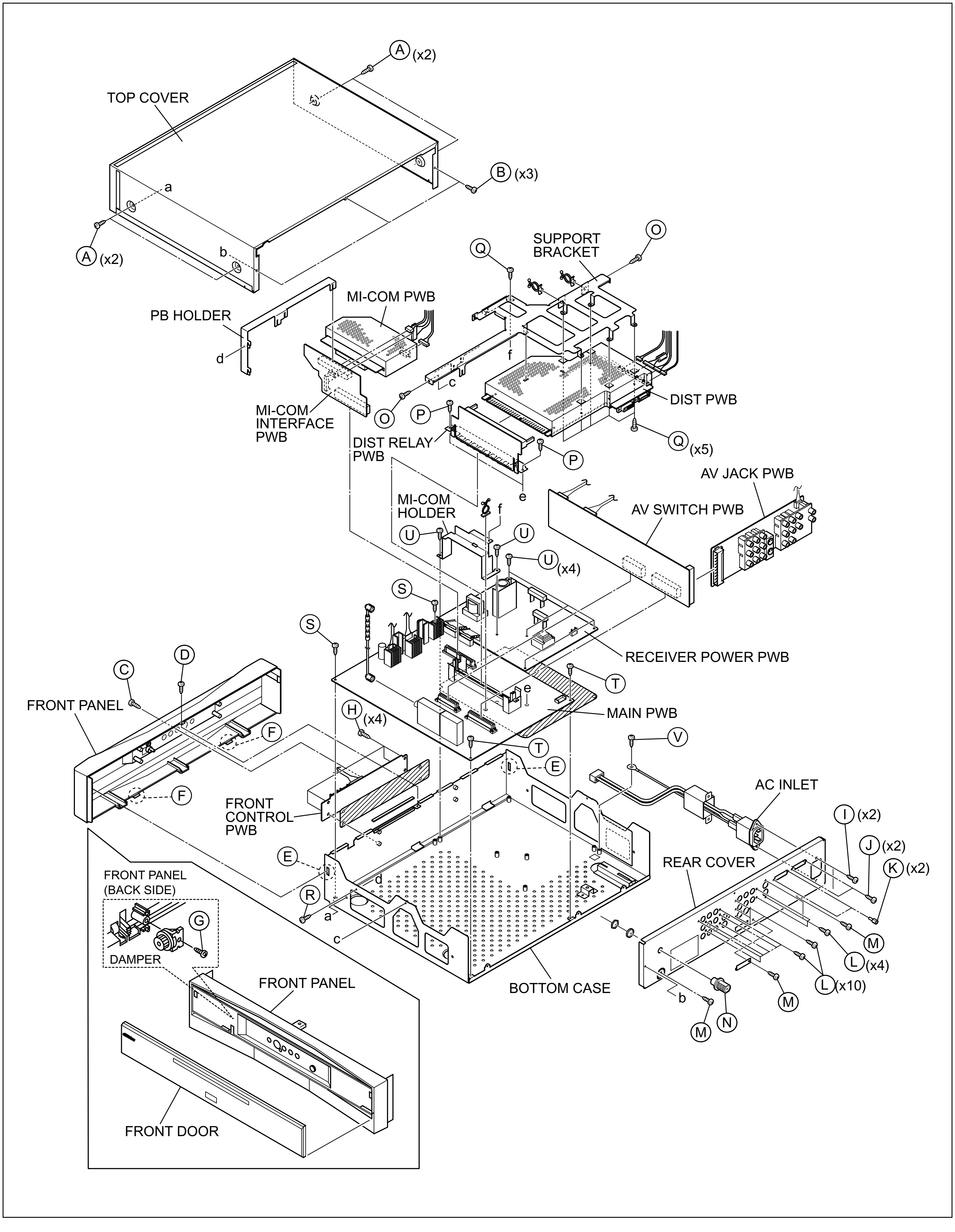
- Remove the TOP COVER.
- Remove the REAR COVER.
- Remove the DIST PWB and DIST RELAY PWB.
- Remove the MI-COM PWB and MI-COM INTERFACE PWB.
- Remove the AV JACK PWB and AV SWITCH PWB.

(1) Remove the 2 screws [S] and 2 screws [T]. Then, lift upwards and withdraw the MAIN PWB.
(2) Remove the 6 screws [U] and remove the MI-COM HOLDER and the RECEIVER POWER PWB.

3.2.10 REMOVING THE AC INLET

- Remove the TOP COVER.
- Remove the REAR COVER.
- Remove the DIST PWB and DIST RELAY PWB.

(1) Remove the 1 screw [V] and remove the AC INLET.



Ⓐ(x2)
TOP COVER
a
Ⓑ(x3)
Ⓐ(x2)
b
SUPPORT BRACKET
Ⓠ
Ⓞ
MI-COM PWB
PB HOLDER
d
f
c
MI-COM INTERFACE PWB
Ⓞ
Ⓟ
DIST PWB
DIST RELAY PWB
Ⓟ
Ⓠ(x5)
e
AV JACK PWB
MI-COM HOLDER
f
AV SWITCH PWB
Ⓤ
Ⓤ
Ⓤ(x4)
Ⓢ
Ⓢ
RECEIVER POWER PWB
Ⓒ
Ⓓ
Ⓣ
FRONT PANEL
e
MAIN PWB
Ⓗ(x4)
Ⓕ
Ⓣ
Ⓥ
Ⓔ
Ⓕ
FRONT CONTROL PWB
AC INLET
Ⓘ(x2)
Ⓙ(x2)
REAR COVER
Ⓚ(x2)
Ⓔ
FRONT PANEL (BACK SIDE)
Ⓡ
d
a
Ⓖ
c
Ⓜ
Ⓛ(x4)
DAMPER
Ⓛ(x10)
FRONT PANEL
BOTTOM CASE
b
Ⓜ
Ⓜ
Ⓝ
FRONT DOOR

Fig. 7

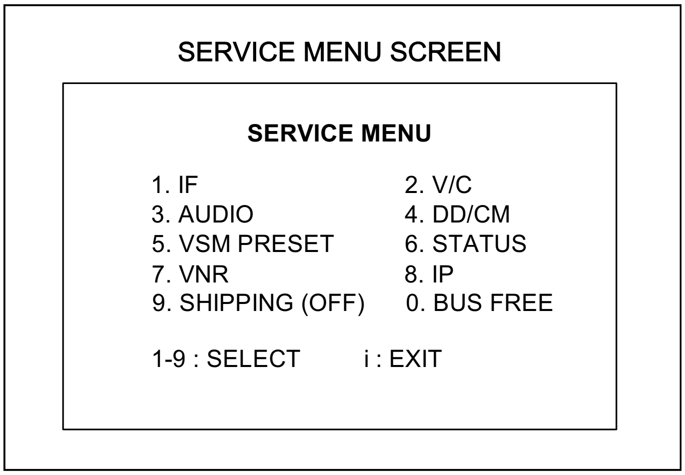
3.3 REPLACEMENT OF MEMORY IC

3.3.1 MEMORY IC

This unit uses the nonvolatile memory IC.
The memory IC memories data for video and deflection circuits. To replace the memory IC without the data written, malfunctions might occurred while power is on, and the normal image might not appear. When replacing the memory IC, be sure to use the IC written with the initial values of data.

3.3.2 PROCEDURE FOR REPLACING THE MEMORY IC

1. **Power off**
   Switch the power off and unplug the power cord from the wall outlet.
2. **Replacing the memory IC**
   Replace the memory IC with new one. Be sure to use the memory IC written with the initial data values.
3. **Power on**
   Plug the power cord into the wall outlet and switch the power on.
4. **Check and setting of SYSTEM CONSTANT SET**
   (1) Press the [INFORMATION] key and the [MUTING] key on the remote control unit simultaneously.
   The SERVICE MENU screen will be displayed.(See Fig.1.)
   (2) In the SERVICE MENU, press the [INFORMATION] key and [MUTING] key simultaneously. Then, the SYSTEM CONSTANT SET screen will be displayed.(See Fig.2.)
   (3) Check whether the setting values of the SYSTEM CONSTANT SET are the same as those indicated in Table1.
   (4) Press the [INFORMATION] key twice to return to the normal screen.
5. **Receive channel setting**
   Refer to the **OPERATING INSTRUCTIONS** and set the receive channels (channels preset).
6. **User setting**
   Check the user setting values in Table 2 and Table 3. If setting value is different, set the correct value.
   For setting, refer to the **OPERATING INSTRUCTIONS**.
7. **Setting of SERVICE MENU**
   Verify the setting for each setting item in the SERVICE MENU.(See Table 4.) If readjustment is necessary, perform adjustment referring to “ADJUSTMENTS PROCEDURE”.



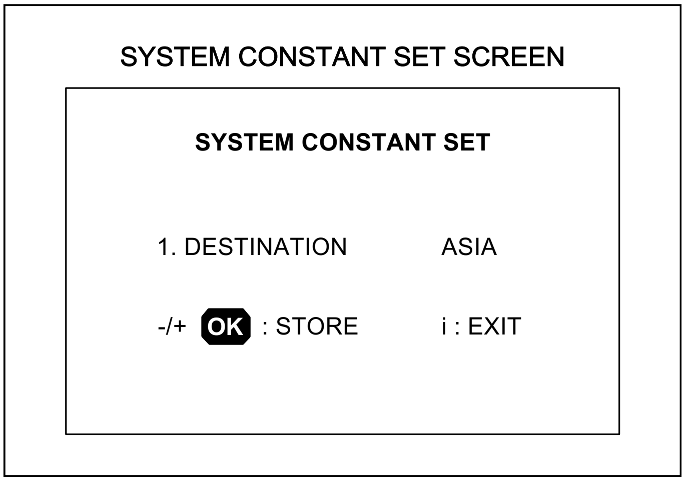
SERVICE MENU SCREEN

SERVICE MENU

1. IF 2. V/C
3. AUDIO 4. DD/CM
5. VSM PRESET 6. STATUS
7. VNR 8. IP
9. SHIPPING (OFF) 0. BUS FREE

1-9 : SELECT i : EXIT

Fig.1



SYSTEM CONSTANT SET SCREEN

SYSTEM CONSTANT SET

1. DESTINATION ASIA

-/+ OK : STORE i : EXIT

Fig.2

3.3.3 FACTORY SETTING VALUE

3.3.3.1 SETTING OF SYSTEM CONSTANT SET

Setting item	Setting content	Setting value
DESTINATION	ASIA / EURO	ASIA

Table 1

3.3.3.2 SETTING OF SWITCHS ON DISPLAY UNIT AND REMOTE CONTROL UNIT

Setting item	Setting value
POWER	OFF
SHIPPING CHANNEL	PR1
PRESET CHANNEL	Refer to OPERATION INSTRUCTIONS
VOLUME	10
ZOOM	PANORAMIC
CINEMA SURROUND	OFF

Table 2

3.3.3.3 SETTING OF MENU SCREEN

Setting item	Setting value
PICTURE SETTING	
PICTURE MODE	BRIGHT
CONTRAST	+13
BRIGHT	-1
SHARP	+6
COLOUR	+2
WHITE BALANCE	MID
PICTURE FEATURES	
DIGITAL VNR	AUTO
Super Digi Pure	AUTO
COLOUR SYSTEM	TV: Depeend on PR/CH VIDEO: AUTO
PULL DOWN	AUTO
4:3 AUTO ASPECT	PANORAMIC
COLOUR MANAGEMENT	ON
PIP	Right below
SOUND SETTING	
STEREO / I•II	Stereo sound
BASS	Center
TREBLE	Center
BALANCE	Center
SPEAKER	ON
BBE	ON
CINEMA SURROUND	OFF
A.H.B.	ON

Setting item	Setting value
HEADPHONE	
VOLUME	20
TV SPEAKER	OFF
OUTPUT	MAIN
VIDEO SETTING	
ID LIST	Space
FEATURES	
SLEEP TIMER	OFF
BLUE BACK	ON
CHANNEL GUARD	ID NO. 0000 ALL CH : OFF
REFRESH	OFF
PICTURE SHIFT	FAST
INSTALL	
LANGUAGE	ENGLISH
AUTO PROGRAM	GROUP-1
EDIT / MANUAL	Only for PR/CH

Table 3

3.3.3.4 VSM PRESET SETTING

Item No.	Item	Variable range	Setting value					
			PICTURE MODE			WHITE BALANCE		
			BRIHGT	STANDARD	SOFT	COOL	MID	WARM
1	CONT	-16~16	+13	0	-7	---	---	---
2	BRIGHT	-16~16	-1	0	0	---	---	---
3	SHARP	-16~16	+6	0	-2	---	---	---
4	COLOUR	-16~16	+2	0	-2	---	---	---
5	TINT	-16~16	0	0	0	---	---	---
1	WDR R	-128~127	---	---	---	-22	0	0
2	WDR G	-128~127	---	---	---	-21	0	-12
3	WDR B	-128~127	---	---	---	0	0	-5

3.3.3.4.1 Setting of VSM PRESET

(1) Enter "5.VSM PRESET" from the SERVICE MENU.
(2) Press the [OK] key to select BRIGHT/STD/SOFT/COOL/NORMAL/WARM mode.
(3) Select the setting item using the [FUNCTION (▲/▼)] key.
(4) Set the value using the [FUNCTION (◀ / ▶)] key.
(5) Press the [OK] key to save the value.
(6) Press the [INFORMATION] key twice to return to the normal screen.

3.3.3.5 SERVICE MENU SETTING ITEMS

Service menu	Setting item
1. IF	1. VCO 2. ATT ON/OFF **[Do not adjust]**
2. VC	1.CUT OF R 2.CUT OF G 3.CUT OF B 4.DRIVE R 5.DRIVE G 6.DRIVE B 7.TWN HI R 8.TWN HI B 9.BRIGHT 10.CONT 11.TWN BRG 12.TWN CNT 13.COLOUR 14.HUE 15.BY GAIN 16.TWN COL 17.TWN TNT 18.B OF MR 19.B OF MB 20.B OF SR 21.B OF SB 22.M BOF ST 23.M ROF ST S01 ~ S99 A01 ~ A17 PDA01 ~ PDA12 PDB01 ~ PDB22 RGA01 ~ RGA03
3.AUDIO **[Do not adjust]**	1.ERROR LIMIT 2.A2 ID THR 3.Q-PEAK 4.SOUND LEVEL
4.DD/CM	DDT01 ~ DDT34 CMT01 ~ CMT57 DDP01 ~ DDP37 CMP01 ~ CMP03 OSD-G OSD-B OSD-R

Service menu	Setting item
5.VSM PRESET	PICTURE MODE 1.CONT 2.BRIGHT 3.SHARP 4.COLOUR 5.TINT
	WHITE BALANCE 1.WDR R 2.WDR G 3.WDR B
6.STATUS	**[Do not adjust]**
7.VNR **[Do not adjust]**	1.MYLV 2.ONMVF 3.MYCOR 4.MYGA 5.YEGON 6.YEGL 7.YLTL 8.MCLV 9.MCGA 10.MCCOR 11.CLTL 12.YNGA 13.COR_OF 14.LPF_OF 15.YCTL 16.YNCL 17.YNCON
8.IP **[Do not adjust]**	PPA001 ~ PPA008 PPB001 ~ PPB036 PPC001 ~ PPC007 PPD001 ~ PPD016 ADS001 ~ ADS034 IPA001 ~ IPA120 IPB001 ~ IPB088 IPC001 ~ IPC044 IPD001 ~ IPD058
9.SHIPPING(OFF)	**[Do not select under the adjustment]**

Table 4

3.4 REPLACEMENT OF CHIP COMPONENT

3.4.1 CAUTIONS

(1) Avoid heating for more than 3 seconds.
(2) Do not rub the electrodes and the resist parts of the pattern.
(3) When removing a chip part, melt the solder adequately.
(4) Do not reuse a chip part after removing it.

3.4.2 SOLDERING IRON

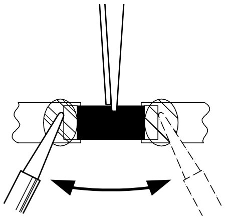
(1) Use a high insulation soldering iron with a thin pointed end of it.
(2) A 30w soldering iron is recommended for easily removing parts.

3.4.3 REPLACEMENT STEPS

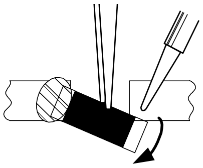
1. How to remove Chip parts

[Resistors, capacitors, etc.]

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.

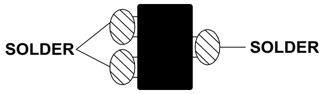


(2) Shift with tweezers and remove the chip part.

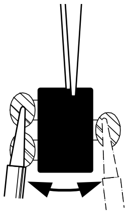


[Transistors, diodes, variable resistors, etc.]

(1) Apply extra solder to each lead.



(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.

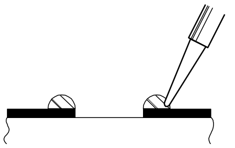


Note :
After removing the part, remove remaining solder from the pattern.

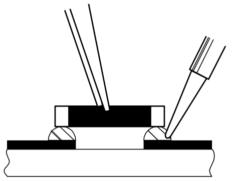
2. How to install Chip parts

[Resistors, capacitors, etc.]

(1) Apply solder to the pattern as indicated in the figure.

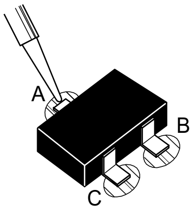


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

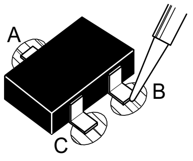


[Transistors, diodes, variable resistors, etc.]

(1) Apply solder to the pattern as indicated in the figure.
(2) Grasp the chip part with tweezers and place it on the solder.
(3) First solder lead A as indicated in the figure.



(4) Then solder leads B and C.



SECTION 4
ADJUSTMENT

4.1 ADJUSTMENT PREPARATION

NOTE:

Prior to the following procedure, be sure to connect the receiver unit and the display unit.

(1) **You can make the necessary adjustments for this unit with either the remote control unit or with the adjustment equipment and parts as given below.**
(2) **Adjustment with the remote control unit is made on the basis of the initial setting values, however, the new setting values which set the screen to its optimum condition may differ from the initial settings.**
(3) Make sure that AC power is turned on correctly.
(4) Turn on the power for the set and test equipment before use, and start the adjustment procedures after waiting at least 30 minutes.
(5) Unless otherwise specified, prepare the most suitable reception or input signal for adjustment.
(6) Never touch any adjustment parts, which are not specified in the list for this variable resistors, transformers, trimmer capacitors, etc.
(7) Presetting before adjustment.
Unless otherwise specified in the adjustment instructions, preset the following functions with the remote control unit.

■ Presetting position

Setting item	Settings
PICTURE MODE	STANDARD
PICTURE adjustments	All center (00)
WHITE BALANCE	NORMAL
DIGITAL VNR	MIN
Super Digi Pure	AUTO
SOUND adjustments	All center (00)
ZOOM	FULL

4.2 MEASURING INSTRUMENT AND FIXTURES

- DC voltmeter (or Digital voltmeter)
- Oscilloscope
- Signal generator (Pattern generator) [PAL/SECAM/NTSC]
- Remote control unit

4.3 MAIN PARTS LOCATIONS

4.3.1 RECEIVER UNIT

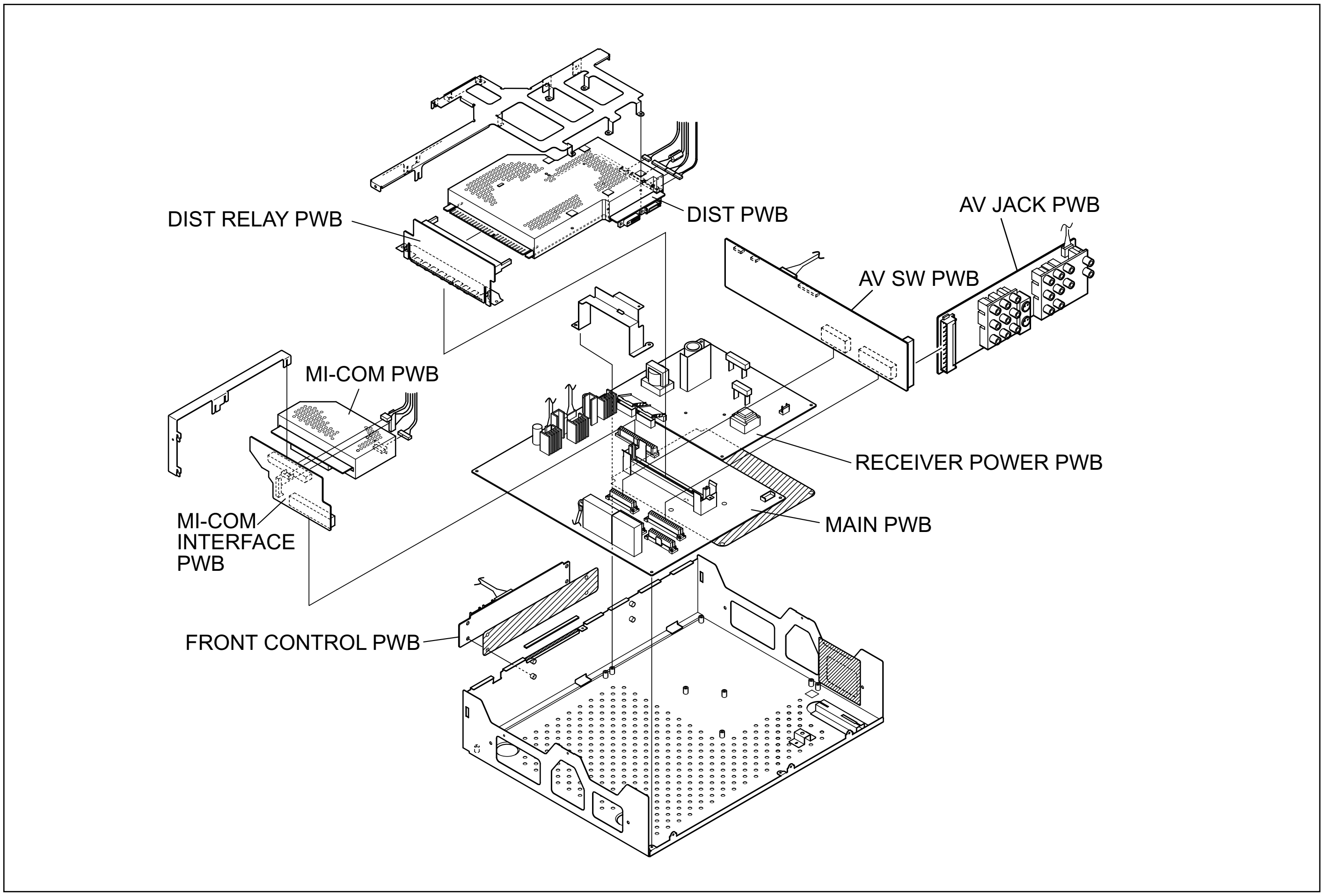
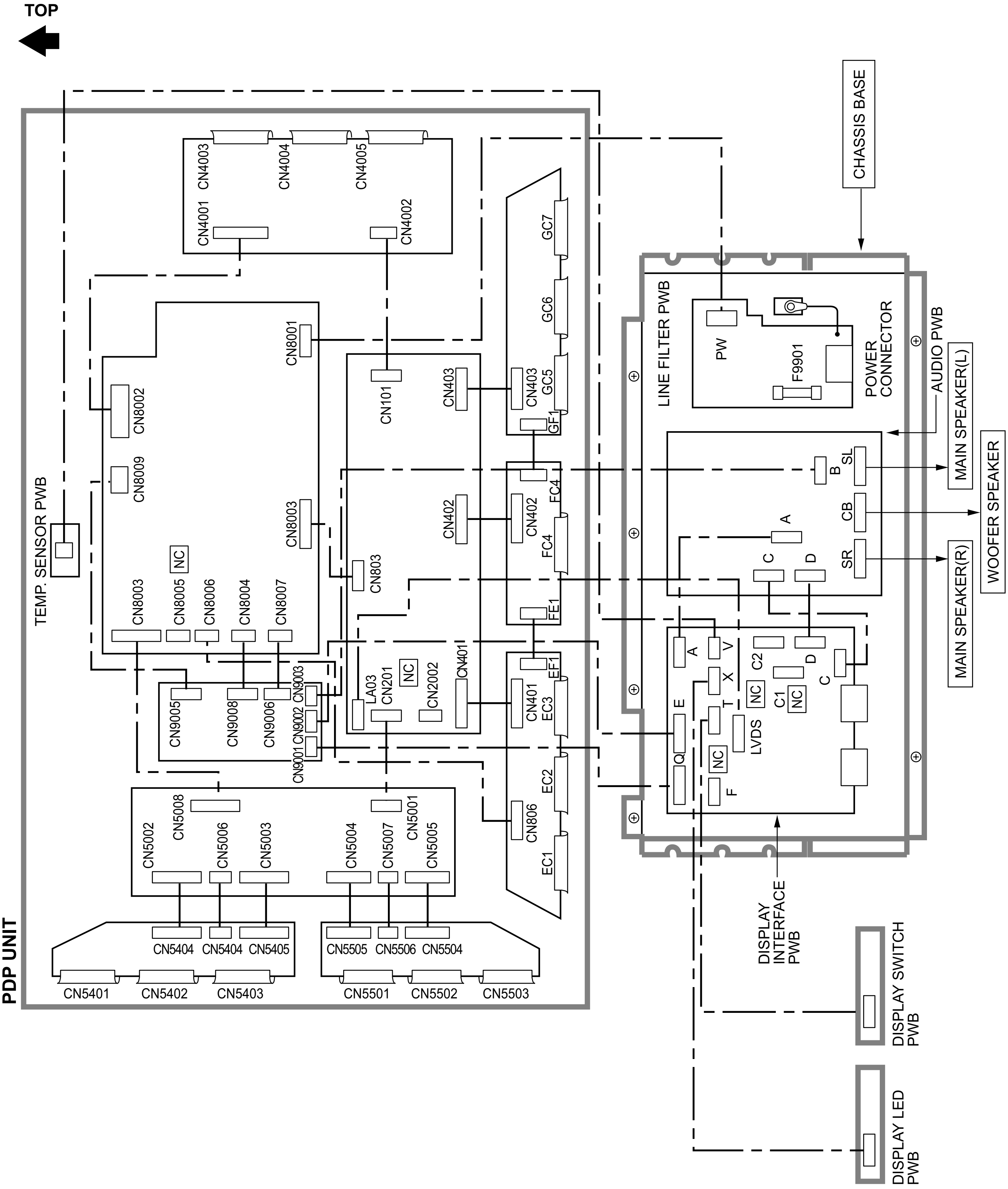


Fig.1

4.3.2 DISPLAY UNIT



TOP
PDP UNIT
TEMP. SENSOR PWB
CN4001
CN4003
CN4004
CN4005
CN4002
CN8001
CN8002
CN8009
CN8003
CN8003
CN8005
CN8006
CN8004
CN8007
NC
CN9005
CN9008
CN9006
CN9003
CN9002
CN9001
CN101
CN403
CN402
CN803
LA03
CN201
NC
CN2002
CN401
GC7
GC6
GC5
CN403
GF1
FC4
CN402
FC4
FE1
EF1
CN401
EC3
EC2
CN806
EC1
CN5002
CN5008
CN5006
CN5003
CN5004
CN5007
CN5001
CN5005
CN5404
CN5404
CN5405
CN5505
CN5506
CN5504
CN5401
CN5402
CN5403
CN5501
CN5502
CN5503
CHASSIS BASE
LINE FILTER PWB
PW
F9901
POWER CONNECTOR
AUDIO PWB
B
SL
A
CB
C
D
SR
MAIN SPEAKER(L)
WOOFER SPEAKER
MAIN SPEAKER(R)
A
V
C2
D
C
X
E
T
NC
C1
NC
Q
NC
LVDS
F
DISPLAY INTERFACE PWB
DISPLAY SWITCH PWB
DISPLAY LED PWB

4.4 SERVICE MENU SCREEN

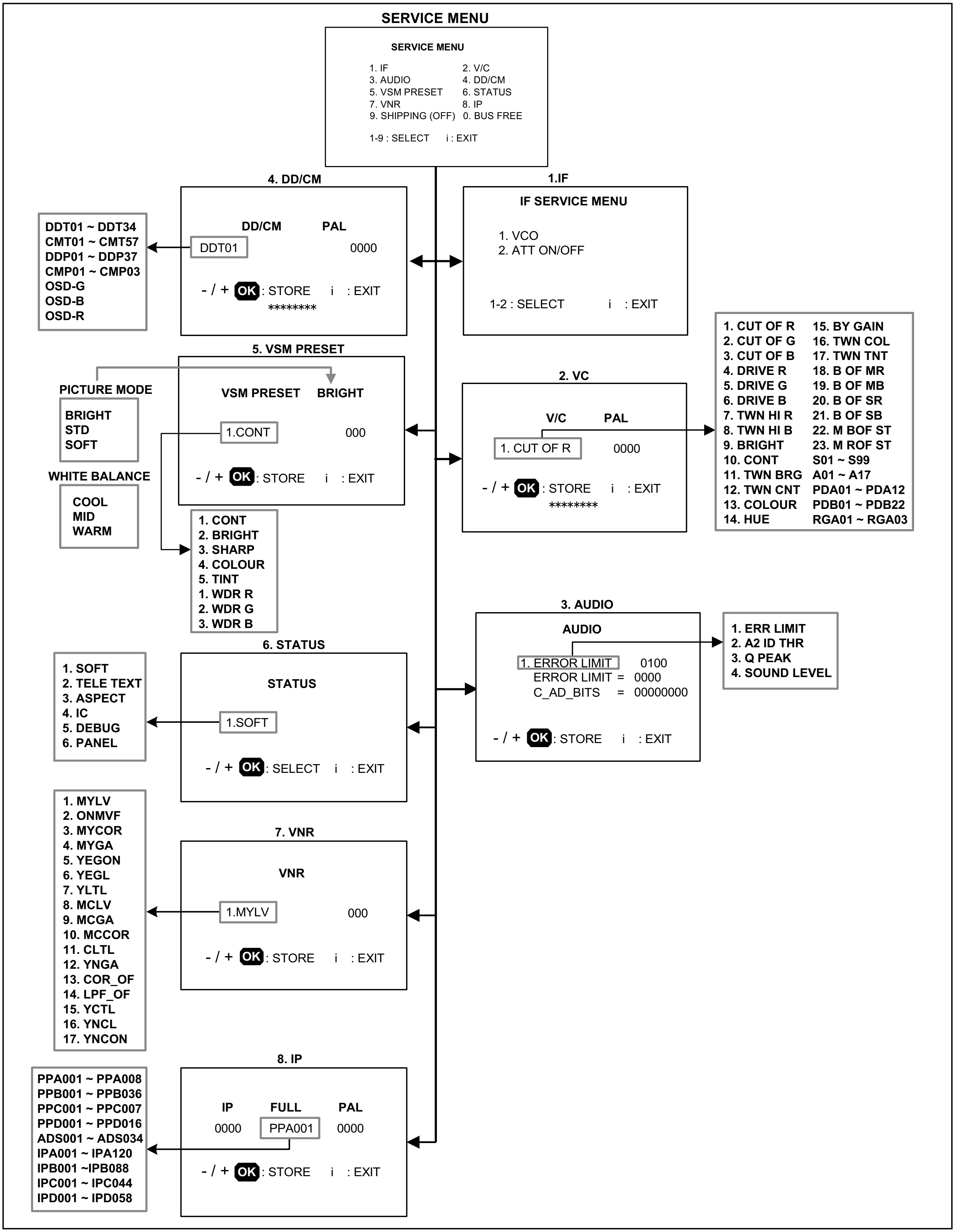

SERVICE MENU
SERVICE MENU
1. IF
2. V/C
3. AUDIO
4. DD/CM
5. VSM PRESET
6. STATUS
7. VNR
8. IP
9. SHIPPING (OFF)
0. BUS FREE
1-9 : SELECT
i : EXIT
4. DD/CM
DD/CM
PAL
DDT01
0000
- / + OK : STORE
i : EXIT
****
DDT01 ~ DDT34
CMT01 ~ CMT57
DDP01 ~ DDP37
CMP01 ~ CMP03
OSD-G
OSD-B
OSD-R
1.IF
IF SERVICE MENU
1. VCO
2. ATT ON/OFF
1-2 : SELECT
i : EXIT
5. VSM PRESET
PICTURE MODE
BRIGHT
STD
SOFT
WHITE BALANCE
COOL
MID
WARM
VSM PRESET
BRIGHT
1.CONT
000
- / + OK : STORE
i : EXIT
1. CONT
2. BRIGHT
3. SHARP
4. COLOUR
5. TINT
1. WDR R
2. WDR G
3. WDR B
2. VC
V/C
PAL
1. CUT OF R
0000
- / + OK : STORE
i : EXIT
****
1. CUT OF R
2. CUT OF G
3. CUT OF B
4. DRIVE R
5. DRIVE G
6. DRIVE B
7. TWN HI R
8. TWN HI B
9. BRIGHT
10. CONT
11. TWN BRG
12. TWN CNT
13. COLOUR
14. HUE
15. BY GAIN
16. TWN COL
17. TWN TNT
18. B OF MR
19. B OF MB
20. B OF SR
21. B OF SB
22. M BOF ST
23. M ROF ST
S01 ~ S99
A01 ~ A17
PDA01 ~ PDA12
PDB01 ~ PDB22
RGA01 ~ RGA03
3. AUDIO
AUDIO
1. ERROR LIMIT
0100
ERROR LIMIT = 0000
C_AD_BITS = 00000000
- / + OK : STORE
i : EXIT
1. ERR LIMIT
2. A2 ID THR
3. Q PEAK
4. SOUND LEVEL
6. STATUS
STATUS
1.SOFT
- / + OK : SELECT
i : EXIT
1. SOFT
2. TELE TEXT
3. ASPECT
4. IC
5. DEBUG
6. PANEL
7. VNR
VNR
1.MYLV
000
- / + OK : STORE
i : EXIT
1. MYLV
2. ONMVF
3. MYCOR
4. MYGA
5. YEGON
6. YEGL
7. YLTL
8. MCLV
9. MCGA
10. MCCOR
11. CLTL
12. YNGA
13. COR_OF
14. LPF_OF
15. YCTL
16. YNCL
17. YNCON
8. IP
IP
FULL
PAL
0000
PPA001
0000
- / + OK : STORE
i : EXIT
PPA001 ~ PPA008
PPB001 ~ PPB036
PPC001 ~ PPC007
PPD001 ~ PPD016
ADS001 ~ ADS034
IPA001 ~ IPA120
IPB001 ~IPB088
IPC001 ~ IPC044
IPD001 ~ IPD058

Fig.3

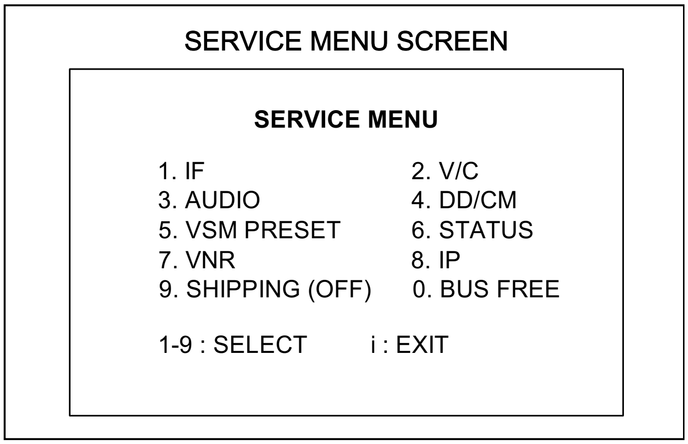
4.5 BASIC OPERATION OF THE SERVICE MENU

4.5.1 TOOL OF SERVICE MENU OPERATION

Operate the SERVICE MENU with the remote control unit.

4.5.2 HOW TO ENTER THE SERVICE MENU MODE

(1) Press the [INFORMATION] key and the [MUTING] key of the REMOTE CONTROL UNIT simultaneously, and the SERVICE MENU screen of Fig.4 will be displayed.
(2) When the Main Menu is displayed, press any key of the [1] to [0] key to enter the corresponding menu mode.
*Press any of the [1] to [0] keys before the Service Menu mode disappears.
(3) Select the service item using the [FUNCTION (▲/▼)] key.
(4) Set the value using the [FUNCTION (◀ / ▶)] key.
(5) Press the [OK] key to save the value.



SERVICE MENU SCREEN

SERVICE MENU

1. IF	2. V/C
3. AUDIO	4. DD/CM
5. VSM PRESET	6. STATUS
7. VNR	8. IP
9. SHIPPING (OFF)	0. BUS FREE

1-9 : SELECT i : EXIT

Fig.4

3.5.2 HOW TO EXIT THE SERVICE MENU MODE

Press the [INFORMATION] key to exit the Service Menu mode.

3.5.3 SERVICE CONTROL KEY LAYOUT ON THE REMOTE CONTROL UNIT

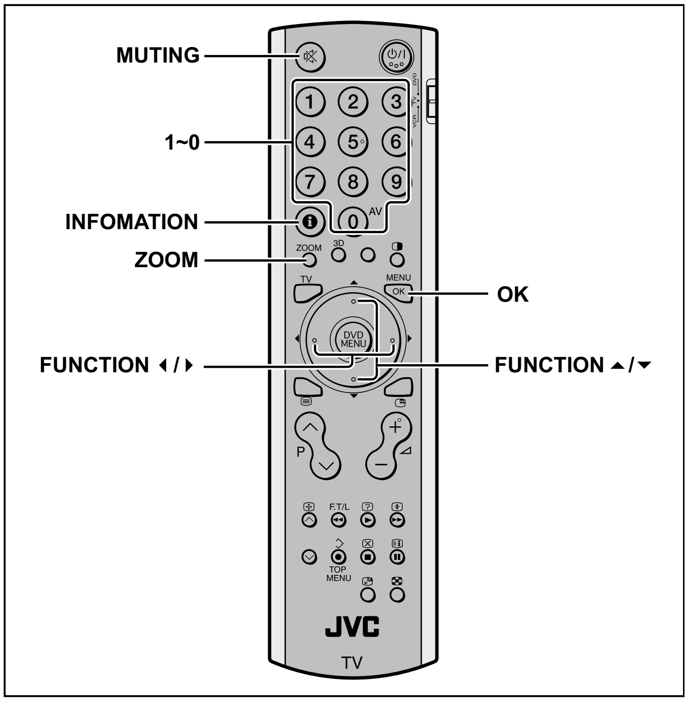


Fig.5

4.5.5 SETTINGS OF THE SERVICE MENUS

4.5.5.1 [1. IF (VCO adjustment, ATT setting)]

[Do not change settings of items that are not included in the "ADJUSTMENT PROCEDURE".]

4.5.5.2 [2. VC (VIDEO setting)]

[Do not change settings of items that are not included in the "ADJUSTMENT PROCEDURE".]
Sets output data to the video circuit.

- [Function (▲/▼)] key
  For scrolling up/down the setting items.
- [Function (◀ / ▶)] key
  For scrolling up/down the setting values.

4.5.5.3 [3. AUDIO (SOUND setting)]

[Do not adjust]

4.5.5.4 [4. DD/CM (Panel picture processing setting)]

[Do not change settings of items that are not included in the "ADJUSTMENT PROCEDURE".]
Sets output data to the deflection circuit.

- [Function (▲/▼)] key
  For scrolling up/down the setting items.

→ DDT01...↔ CMT01...↔ DDPM01...↔ CMP01...↔ OSD-G ←

- [Zoom (red)] key
  For switching to the next item.

→ DDT01 → CMT01 → DDP01 → CMP01 → OSD-G

- [Function (◀ / ▶)] key
  For scrolling up/down the setting values.

4.5.5.5 [5. VSM PRESET (PICTURE preset setting)]

[Refer to page 1-19.]

4.5.5.6 [6. STATUS]

(The version of software, the aspect, and the state of debugging are displayed.)
[Setting for this item is not required in servicing]

4.5.5.7 [7. VNR (Noise reduction setting)]

[Do not adjust]
Sets output data to the digital noise reduction circuit.

4.5.5.8 [8. IP (DIST setting)]

[Do not adjust]
Sets output data to the DIST circuit.

4.5.5.9 [9. SHIPPING (OFF)]

[Setting for this item is not required in servicing]

4.5.5.10 [10. BUE FREE]

[Setting for this item is not required in servicing]

4.6 DEFAULT VALUES IN THE SERVICE MENU SETTING MODE

- Perform fine-tuning based on the "default values" using the remote control when in the SERVICE MENU setting mode.
- The "default values" serve only as an indication rough standard and therefore the values with which optimal display can be achieved may be different from the default values. But, don't change the values that are not written in "ADJUSTMENT PROCEDURE". They are fixed values.

4.6.1 [2. VC]

4.6.1.1 VIDEO SYSTEM

Item No.	Item	Variable range	Setting value								
			TV		EXT-1 / 2 / 3 / 5			EXT-4			
			PAL	SECAM	PAL	SECAM	NTSC	625i	525i	625p	525p
1	CUT OF R	0000~0255	0088	←	←	←	←	0000	←	←	←
2	CUT OF G	0000~0255	0101	←	←	←	←	0000	←	←	←
3	CUT OF B	0000~0255	0106	←	←	←	←	0000	←	←	←
4	DRIVE R	0000~0255	0129	←	←	←	←	0000	←	←	←
5	DRIVE G	0000~0255	0112	←	←	←	←	0000	←	←	←
6	DRIVE B	0000~0255	0110	←	←	←	←	0000	←	←	←
7	TWN HI R	0000~0127	0065	←	←	←	←	0000	←	←	←
8	TWN HI B	0000~0127	0063	←	←	←	←	0000	←	←	←
9	BRIGHT	0000~0255	0013	←	←	←	←	←	←	←	←
10	CONT	0000~0015	0011	←	←	←	←	0000	←	←	←
11	TWN BRG	0000~0127	0081	←	←	←	←	0000	←	←	←
12	TWN CNT	0000~0015	0011	←	←	←	←	0000	←	←	←
13	COLOUR	0000~0015	0007	←	0000	←	0009	0000	←	←	←
14	HUE	0000~0063	0007	←	0034	←	0034	0000	←	←	0063
15	BY GAIN	0000~0063	0043	←	0000	←	0043	0000	←	←	0043
16	TWN COL	0000~0015	0009	←	0002	←	0009	0002	0009	0002	←
17	TWN TNT	0000~0063	0034	←	←	←	←	←	←	←	←
18	B OF MR	0000~0015	0008	←	←	←	←	←	←	←	←
19	B OF MB	0000~0015	0008	←	←	←	←	←	←	←	←
20	B OF SR	0000~0015	0008	←	←	←	←	←	←	←	←
21	B OF SB	0000~0015	0008	←	←	←	←	←	←	←	←
22	M BOFSET	0000~0007	0000	←	←	←	←	←	←	←	←
23	M ROFSET	0000~0007	0000	←	←	←	←	←	←	←	←

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
S01	COLOUR	0000~0255	0120	0135	0124
S02	HUE	-128~0127	0000	0000	-014
S03	(NO DISPLAY)	-128~0127	0000	0000	0000
S04	(NO DISPLAY)	-128~0127	0000	0000	0000
S05	BRIGHT	0000~0255	0039	0039	0032
S06	CONT	0000~0255	0088	0088	0088
S07	(NO DISPLAY)	-128~0127	0000	0000	0000
S08	(NO DISPLAY)	-128~0127	0000	0000	0000
S09	(NO DISPLAY)	0000~0255	0140	0140	0140
S10	(NO DISPLAY)	-128~0127	0000	0000	0000
S11	(NO DISPLAY)	-128~0127	0006	0006	0006
S12	(NO DISPLAY)	0000~0003	0000	0000	0000
S13	R GAIN	0000~0255	0255	0255	0255
S14	(NO DISPLAY)	-128~0127	0000	0000	0000
S15	G GAIN	0000~0255	0241	0241	0241
S16	(NO DISPLAY)	-128~0127	0000	0000	0000
S17	B GAIN	0000~0255	0019	0019	0019
S18	(NO DISPLAY)	-128~0127	0000	0000	0000
S19	(NO DISPLAY)	0000~0255	0128	0128	0128

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
S20	(NO DISPLAY)	-128~0127	0000	0000	0000
S21	(NO DISPLAY)	0000~0255	0128	0128	0128
S22	(NO DISPLAY)	-128~0127	0000	0000	0000
S23	(NO DISPLAY)	0000~0255	0128	0128	0128
S24	(NO DISPLAY)	-128~0127	0000	0000	0000
S25	(NO DISPLAY)	0000/0001	0000	0000	0000
S26	(NO DISPLAY)	0000/0001	0000	0000	0000
S27	(NO DISPLAY)	0000/0001	0000	0000	0000
S28	(NO DISPLAY)	0000/0001	0001	0001	0001
S29	(NO DISPLAY)	0000/0001	0000	0000	0000
S30	(NO DISPLAY)	0000~0031	0001	0001	0001
S31	(NO DISPLAY)	0000~0063	0010	0010	0003
S32	(NO DISPLAY)	0000~0063	0040	0040	0030
S33	(NO DISPLAY)	0000/0001	0001	0001	0001
S34	(NO DISPLAY)	0000/0001	0001	0001	0001
S35	(NO DISPLAY)	0000/0001	0000	0000	0000
S36	(NO DISPLAY)	0000~0031	0000	0000	0000
S37	(NO DISPLAY)	0000~0255	0225	0225	0200
S38	(NO DISPLAY)	0000~0063	0045	0045	0050
S39	(NO DISPLAY)	0000~0063	0060	0060	0060
S40	(NO DISPLAY)	0000/0001	0001	0001	0001
S41	(NO DISPLAY)	0000/0001	0000	0000	0000
S42	(NO DISPLAY)	0000~0003	0001	0001	0001
S43	(NO DISPLAY)	0000~0031	0024	0024	0024
S44	(NO DISPLAY)	0000~0003	0001	0001	0001
S45	(NO DISPLAY)	0000~0003	0001	0001	0001
S46	(NO DISPLAY)	0000~0015	0015	0015	0015
S47	(NO DISPLAY)	0000~0015	0015	0015	0015
S48	(NO DISPLAY)	0000~0015	0015	0015	0015
S49	(NO DISPLAY)	0000/0001	0000	0000	0000
S50	(NO DISPLAY)	0000~0255	0009	0009	0009
S51	(NO DISPLAY)	0000/0001	0000	0000	0000
S52	(NO DISPLAY)	0000~0255	0061	0061	0061
S53	(NO DISPLAY)	0000/0001	0000	0000	0000
S54	(NO DISPLAY)	0000~0255	0004	0004	0004
S55	(NO DISPLAY)	0000/0001	0000	0000	0000
S56	(NO DISPLAY)	0000~0255	0057	0057	0057
S57	(NO DISPLAY)	0000~0255	0000	0000	0000
S58	(NO DISPLAY)	0000~0015	0000	0000	0000
S59	(NO DISPLAY)	0000~0255	0013	0013	0013
S60	(NO DISPLAY)	0000~0015	0000	0000	0000
S61	(NO DISPLAY)	0000/0001	0001	0001	0001
S62	(NO DISPLAY)	0000~0127	0012	0012	0012
S63	(NO DISPLAY)	0000/0001	0000	0000	0000
S64	(NO DISPLAY)	0000~0127	0000	0000	0000
S65	(NO DISPLAY)	0000~0003	0003	0003	0003
S66	(NO DISPLAY)	0000~0003	0001	0001	0001
S67	(NO DISPLAY)	0000~0003	0002	0002	0002
S68	(NO DISPLAY)	0000~0015	0000	0000	0002
S69	(NO DISPLAY)	0000~0063	0019	0019	0019
S70	(NO DISPLAY)	0000/0001	0001	0001	0001
S71	(NO DISPLAY)	0000~0255	0255	0255	0255
S72	(NO DISPLAY)	0000~0255	0255	0255	0255
S73	(NO DISPLAY)	0000~0255	0255	0255	0255

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
S74	(NO DISPLAY)	0000~0031	0000	0000	0000
S75	(NO DISPLAY)	0000~0031	0000	0000	0000
S76	(NO DISPLAY)	-127~0128	0000	0000	0000
S77	(NO DISPLAY)	-127~0128	0000	0000	0000
S78	(NO DISPLAY)	0000~0255	0255	0255	0255
S79	(NO DISPLAY)	0000~0255	0000	0000	0000
S80	(NO DISPLAY)	0000~0255	0255	0255	0255
S81	(NO DISPLAY)	0000~0255	0000	0000	0000
S82	(NO DISPLAY)	0000~0255	0255	0255	0255
S83	(NO DISPLAY)	0000~0255	0000	0000	0000
S84	(NO DISPLAY)	0000~0015	0000	0000	0000
S85	(NO DISPLAY)	0000~0255	0011	0011	0011
S86	(NO DISPLAY)	0000~0255	0130	0130	0130
S87	(NO DISPLAY)	0000~0003	0000	0000	0000
S88	(NO DISPLAY)	0000~0007	0007	0007	0007
S89	(NO DISPLAY)	0000~0255	0030	0030	0030
S90	(NO DISPLAY)	0000~0127	0000	0000	0000
S91	(NO DISPLAY)	0000~0007	0007	0007	0007
S92	(NO DISPLAY)	0000~0031	0031	0031	0031
S93	(NO DISPLAY)	0000~0007	0007	0007	0007
S94	(NO DISPLAY)	0000~0031	0031	0031	0031
S95	(NO DISPLAY)	0000~0255	0060	0060	0075
S96	(NO DISPLAY)	0000~0015	0006	0006	0006
S97	(NO DISPLAY)	0000~0003	0035	0035	0040
S98	(NO DISPLAY)	0000~0063	0003	0003	0000
S99	(NO DISPLAY)	0000~0063	0000	0000	0000

4.6.1.2 AUDIO SYSTEM

Item No.	Item	Variable range	Setting value
A01	(NO DISPLAY)	0000~0007	0001
A02	(NO DISPLAY)	0000~0007	0002
A03	(NO DISPLAY)	0000~0007	0003
A04	(NO DISPLAY)	0000~0007	0003
A05	(NO DISPLAY)	0000~0009	0002
A06	(NO DISPLAY)	0000~0015	0005
A07	(NO DISPLAY)	0000~0015	0006
A08	(NO DISPLAY)	0000~0015	0003
A09	(NO DISPLAY)	0000~0007	0000
A10	(NO DISPLAY)	0000~0007	0000
A11	(NO DISPLAY)	0000~0063	0017
A12	(NO DISPLAY)	0000~0063	0010
A13	(NO DISPLAY)	0000~0003	0000
A14	(NO DISPLAY)	0000~0007	0000
A15	(NO DISPLAY)	0000~0003	0000
A16	(NO DISPLAY)	0000~0003	0000
A17	(NO DISPLAY)	0000~0003	0000

Item No.	Item	Variable range	Setting value
PDA01	(NO DISPLAY)	0000~0255	0000
PDA02	(NO DISPLAY)	0000~0255	0094
PDA03	(NO DISPLAY)	0000~0255	0128
PDA04	(NO DISPLAY)	0000~0255	0003
PDA05	(NO DISPLAY)	0000/0001	0001
PDA06	(NO DISPLAY)	0000/0001	0000

Item No.	Item	Variable range	Setting value
PDA07	(NO DISPLAY)	0000~0255	0150
PDA08	(NO DISPLAY)	0000~0255	0150
PDA09	(NO DISPLAY)	0000~0255	0002
PDA10	(NO DISPLAY)	0000~0255	0059
PDA11	(NO DISPLAY)	0000~0255	0000
PDA12	(NO DISPLAY)	0000~0127	0000

Item No.	Item	Variable range	Setting value
PDB01	(NO DISPLAY)	0000~0063	0000
PDB02	(NO DISPLAY)	0000~0255	0000
PDB03	(NO DISPLAY)	0000~0255	0000
PDB04	(NO DISPLAY)	0000~0255	0000
PDB05	(NO DISPLAY)	0000~0255	0000
PDB06	(NO DISPLAY)	0000~0001	0001
PDB07	(NO DISPLAY)	0000~0001	0001
PDB08	(NO DISPLAY)	0000~0255	0138
PDB09	(NO DISPLAY)	0000~0255	0138
PDB10	(NO DISPLAY)	0000~0255	0138
PDB11	(NO DISPLAY)	0000~0001	0001
PDB12	(NO DISPLAY)	0000~0001	0000
PDB13	(NO DISPLAY)	0000~0031	0031
PDB14	(NO DISPLAY)	0000~0001	0000
PDB15	(NO DISPLAY)	0000~0001	0001
PDB16	(NO DISPLAY)	0000~0255	0250
PDB17	(NO DISPLAY)	0000~0001	0000
PDB18	(NO DISPLAY)	0000~0255	0200
PDB19	(NO DISPLAY)	0000~0127	0004
PDB20	(NO DISPLAY)	0000~0127	0004
PDB21	(NO DISPLAY)	0000~0001	0000
PDB22	(NO DISPLAY)	0000~0001	0000

Item No.	Item	Variable range	Setting value
RGA01	(NO DISPLAY)	0000~0001	0001
RGA02	(NO DISPLAY)	0000~0001	0001
RGA03	(NO DISPLAY)	0000~0001	0001

4.6.2 [3.AUDIO] (MULTISOUND SYSTEM) (*All fixed)

Item No.	Item	Variable range	Setting value
1	ERROR LIMIT	0000~0FF0	0100
2	A2 ID THR	0000~00FF	0019
3	Q-PEAK	-	-
4	SOUND LEVEL	F00F~FFFF	FFFF

4.6.3 [4.DD/CM]

NOTE:

- For reference, initial setting values (except OSD-G/B/R) in the following conditions are written here.
  Input signal :PAL/SECAM/NTSC
  Picture mode :Standard
  Zoom :Full
  Multi screen :Single screen
  Colour temp. :Normal

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
DDT01	(NO DISPLAY)	0000~0015	0000	0000	0000
DDT02	(NO DISPLAY)	0000~0255	0022	0022	0022
DDT03	(NO DISPLAY)	0000~0255	0240	0240	0240
DDT04	(NO DISPLAY)	0000~0255	0255	0255	0255
DDT05	(NO DISPLAY)	0000~0255	0255	0255	0255
DDT06	(NO DISPLAY)	0000~0255	0255	0255	0255
DDT07	(NO DISPLAY)	0000~0003	0000	0000	0000
DDT08	(NO DISPLAY)	0000~0255	0255	0255	0255
DDT09	(NO DISPLAY)	0000~0003	0000	0000	0000
DDT10	(NO DISPLAY)	0000~0255	0000	0000	0000
DDT11	(NO DISPLAY)	0000~0007	0000	0000	0000
DDT12	(NO DISPLAY)	0000~0255	0090	0090	0090
DDT13	(NO DISPLAY)	0000~0255	0000	0000	0000
DDT14	(NO DISPLAY)	0000~0003	0000	0000	0000
DDT15	(NO DISPLAY)	0000~0007	0007	0007	0000
DDT16	(NO DISPLAY)	0000~0255	0151	0151	0151
DDT17	(NO DISPLAY)	0000/0001	0001	0001	0001
DDT18	(NO DISPLAY)	0000/0001	0001	0001	0001
DDT19	(NO DISPLAY)	0000~0063	0001	0001	0001
DDT20	(NO DISPLAY)	0000~0015	0000	0000	0000
DDT21	(NO DISPLAY)	0000~0015	0000	0000	0000
DDT22	(NO DISPLAY)	0000~0015	0000	0000	0000
DDT23	(NO DISPLAY)	0000~0015	0000	0000	0000
DDT24	(NO DISPLAY)	0000/0001	0000	0000	0000
DDT25	(NO DISPLAY)	0000/0001	0000	0000	0000
DDT26	(NO DISPLAY)	0000/0001	0000	0000	0000
DDT27	(NO DISPLAY)	0000~0007	0001	0001	0001
DDT28	(NO DISPLAY)	0000~0255	0023	0023	0023
DDT29	(NO DISPLAY)	0000~0003	0002	0002	0002
DDT30	(NO DISPLAY)	0000/0001	0000	0000	0000
DDT31	(NO DISPLAY)	0000~0007	0002	0002	0002
DDT32	(NO DISPLAY)	0000~0255	0100	0100	0100
DDT33	(NO DISPLAY)	0000~0255	0000	0000	0000
DDT34	(NO DISPLAY)	0000~0255	0032	0032	0032

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
CMT01	(NO DISPLAY)	0000~0003	0000	0000	0000
CMT02	(NO DISPLAY)	0000~0255	0105	0105	0093
CMT03	(NO DISPLAY)	0000~0255	0020	0020	0010
CMT04	(NO DISPLAY)	0000~0255	0020	0020	0020
CMT05	(NO DISPLAY)	0000~0063	0005	0005	0060
CMT06	(NO DISPLAY)	-128~0127	0005	0005	0001
CMT07	(NO DISPLAY)	-128~0127	0000	0000	0000
CMT08	(NO DISPLAY)	-128~0127	-004	-004	-004
CMT09	(NO DISPLAY)	-128~0127	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
CMT10	(NO DISPLAY)	0000~0003	0000	0000	0000
CMT11	(NO DISPLAY)	0000~0255	0155	0155	0164
CMT12	(NO DISPLAY)	0000~0255	0020	0020	0020
CMT13	(NO DISPLAY)	0000~0255	0020	0020	0020
CMT14	(NO DISPLAY)	0000~0063	0057	0057	0062
CMT15	(NO DISPLAY)	-128~0127	0005	0005	0008
CMT16	(NO DISPLAY)	-128~0127	0000	0000	0000
CMT17	(NO DISPLAY)	-128~0127	0000	0000	0000
CMT18	(NO DISPLAY)	-128~0127	0000	0000	0000
CMT19	(NO DISPLAY)	0000~0003	0000	0000	0000
CMT20	(NO DISPLAY)	0000~0255	0191	0191	0200
CMT21	(NO DISPLAY)	0000~0255	0040	0040	0030
CMT22	(NO DISPLAY)	0000~0255	0030	0030	0030
CMT23	(NO DISPLAY)	0000~0063	0057	0057	0059
CMT24	(NO DISPLAY)	-128~0127	0010	0010	0005
CMT25	(NO DISPLAY)	-128~0127	0020	0020	0015
CMT26	(NO DISPLAY)	-128~0127	0010	0010	0010
CMT27	(NO DISPLAY)	-128~0127	0015	0015	0015
CMT28	(NO DISPLAY)	0000~0003	0001	0001	0001
CMT29	(NO DISPLAY)	0000~0255	0078	0078	0071
CMT30	(NO DISPLAY)	0000~0255	0030	0030	0035
CMT31	(NO DISPLAY)	0000~0255	0030	0030	0040
CMT32	(NO DISPLAY)	0000~0063	0005	0005	0057
CMT33	(NO DISPLAY)	-128~0127	0005	0005	-002
CMT34	(NO DISPLAY)	-128~0127	0010	0010	0010
CMT35	(NO DISPLAY)	-128~0127	0000	0000	-005
CMT36	(NO DISPLAY)	-128~0127	0015	0015	0020
CMT37	(NO DISPLAY)	0000~0255	0064	0064	0064
CMT38	(NO DISPLAY)	0000~0255	0068	0068	0064
CMT39	(NO DISPLAY)	0000~0255	0074	0074	0080
CMT40	(NO DISPLAY)	-128~0127	0000	0000	0000
CMT41	(NO DISPLAY)	-128~0127	0010	0010	0000
CMT42	(NO DISPLAY)	0000/0001	0000	0000	0000
CMT43	(NO DISPLAY)	0000~0255	0128	0128	0128
CMT44	(NO DISPLAY)	0000/0001	0001	0001	0001
CMT45	(NO DISPLAY)	0000~0255	0080	0080	0080
CMT46	(NO DISPLAY)	0000/0001	0000	0000	0000
CMT47	(NO DISPLAY)	0000~0255	0070	0070	0070
CMT48	(NO DISPLAY)	0000/0001	0001	0001	0001
CMT49	(NO DISPLAY)	0000/0001	0001	0001	0001
CMT50	(NO DISPLAY)	0000~0031	0021	0021	0021
CMT51	(NO DISPLAY)	0000~0031	0021	0021	0021
CMT52	(NO DISPLAY)	0000/0001	0000	0000	0000
CMT53	(NO DISPLAY)	0000/0001	0000	0000	0000
CMT54	(NO DISPLAY)	0000~0003	0000	0000	0000
CMT55	(NO DISPLAY)	0000/0001	0000	0000	0000
CMT56	(NO DISPLAY)	0000/0001	0001	0001	0001
CMT57	(NO DISPLAY)	0000/0001	0001	0001	0001

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
DDP01	(NO DISPLAY)	0000~0003	0000	0000	0000
DDP02	(NO DISPLAY)	0000~0255	0032	0032	0032
DDP03	(NO DISPLAY)	0000~0003	0002	0002	0002
DDP04	(NO DISPLAY)	0000~0255	0001	0001	0001
DDP05	(NO DISPLAY)	0000~0255	0001	0001	0001
DDP06	(NO DISPLAY)	0000~0003	0001	0001	0001
DDP07	(NO DISPLAY)	0000~0031	0000	0000	0000
DDP08	(NO DISPLAY)	0000~0007	0000	0000	0000
DDP09	(NO DISPLAY)	0000~0255	0176	0176	0176
DDP10	(NO DISPLAY)	0000~0007	0001	0001	0001
DDP11	(NO DISPLAY)	0000~0255	0000	0000	0000
DDP12	(NO DISPLAY)	0000~0007	0007	0007	0007
DDP13	(NO DISPLAY)	0000~0007	0005	0005	0005
DDP14	(NO DISPLAY)	0000~0003	0002	0002	0002
DDP15	(NO DISPLAY)	0000~0015	0001	0001	0001
DDP16	(NO DISPLAY)	0000~0015	0013	0013	0013
DDP17	(NO DISPLAY)	0000~0015	0010	0010	0010
DDP18	(NO DISPLAY)	0000/0001	0000	0000	0000
DDP19	(NO DISPLAY)	0000/0001	0001	0001	0001
DDP20	(NO DISPLAY)	0000~0015	0010	0010	0010
DDP21	(NO DISPLAY)	0000~0015	0006	0006	0006
DDP22	(NO DISPLAY)	0000~0015	0010	0010	0010
DDP23	(NO DISPLAY)	0000~0015	0006	0006	0006
DDP24	(NO DISPLAY)	0000~0015	0010	0010	0010
DDP25	(NO DISPLAY)	0000~0015	0006	0006	0006
DDP26	(NO DISPLAY)	0000~0015	0015	0015	0015
DDP27	(NO DISPLAY)	0000~0015	0004	0004	0004
DDP28	(NO DISPLAY)	0000~0015	0015	0015	0015
DDP29	(NO DISPLAY)	0000~0015	0014	0014	0014
DDP30	(NO DISPLAY)	0000~0015	0010	0010	0010
DDP31	(NO DISPLAY)	0000~0015	0006	0006	0006
DDP32	(NO DISPLAY)	0000~0255	0013	0013	0013
DDP33	(NO DISPLAY)	0000~0255	0133	0133	0133
DDP34	(NO DISPLAY)	0000~0255	0102	0102	0102
DDP35	(NO DISPLAY)	0000~0255	0144	0144	0144
DDP36	(NO DISPLAY)	0000~0255	0013	0013	0013
DDP37	(NO DISPLAY)	0000~0063	0048	0048	0048

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
CMP01	(NO DISPLAY)	0000/0001	0000	0000	0000
CMP02	(NO DISPLAY)	0000/0001	0001	0001	0001
CMP03	(NO DISPLAY)	0000/0001	0001	0001	0001

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
OSD-G	(NO DISPLAY)	0000~0255	0128	0128	0128
OSD-B	(NO DISPLAY)	0000~0255	0123	0123	0123
OSD-R	(NO DISPLAY)	0000~0255	0128	0128	0128

4.6.4 [7.VNR] (*All fixed)

NOTE:

- For reference, initial setting values in the following conditions are written here.
  Input signal :PAL/SECAM/NTSC
  Picture mode :Standard
  Zoom :Full
  Multi screen :Single screen
  Colour temp. :Normal

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
1	MYLV	0000~000F	000E	000E	000E
2	ONMVF	0000/0001	0001	0001	0001
3	MYCOR	0000~001F	0003	0003	0003
4	MYGA	0000~0003	0002	0002	0002
5	YEGON	0000/0001	0001	0001	0001
6	YEGL	0000~000F	0000	0000	0000
7	YL TL	0000~007F	0009	0009	0009
8	MCLV	0000~000F	000E	000E	000E
9	MCGA	0000~0003	0002	0002	0002
10	MCCOR	0000~001F	0003	0003	0003
11	CLTL	0000~007F	0009	0009	0009
12	YNGA	0000~0003	0003	0003	0003
13	COR_OF	0000/0001	0000	0000	0000
14	LPF_OF	0000/0001	0000	0000	0000
15	YCTL	0000~000F	0004	0004	0004
16	YNCL	0000~000F	000E	000E	000E
17	YNCON	0000/0001	0001	0001	0001

4.6.5 [8.IP] (*All fixed)

NOTE:

- For reference, initial setting values in the following conditions are written here.
  Input signal :PAL/SECAM/NTSC
  Picture mode :Standard
  Zoom :Full
  Multi screen :Single screen
  Colour temp. :Normal

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
PPA001	(NO DISPLAY)	0000~00FF	0040	0040	0040
PPA002	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPA003	(NO DISPLAY)	0000~00FF	003D	003D	0048
PPA004	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPA005	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPA006	(NO DISPLAY)	0000~00FF	0001	0001	0001
PPA007	(NO DISPLAY)	0000~00FF	003D	003D	0048
PPA008	(NO DISPLAY)	0000~00FF	0031	0031	0023

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
PPB001	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB002	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB003	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB004	(NO DISPLAY)	0000~001F	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
PPB005	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB006	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB007	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB008	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB009	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB010	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB011	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB012	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB013	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB014	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB015	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB016	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB017	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB018	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB019	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB020	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB021	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB022	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB023	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB024	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB025	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB026	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB027	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB028	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB029	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB030	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB031	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB032	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB033	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB034	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB035	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB036	(NO DISPLAY)	0000~00FF	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
PPC001	(NO DISPLAY)	0000~000F	0000	0000	0000
PPC002	(NO DISPLAY)	0000~00FF	0012	0012	0012
PPC003	(NO DISPLAY)	0000~00FF	0002	0002	0002
PPC004	(NO DISPLAY)	0000~000F	0000	0000	0000
PPC005	(NO DISPLAY)	0000~00FF	007C	007C	007C
PPC006	(NO DISPLAY)	0000~000F	0000	0000	0000
PPC007	(NO DISPLAY)	0000~00FF	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
PPD001	(NO DISPLAY)	0000~00FF	005F	005F	005F
PPD002	(NO DISPLAY)	0000~00FF	0002	0002	0002
PPD003	(NO DISPLAY)	0000~00FF	00F3	00F3	00F3
PPD004	(NO DISPLAY)	0000~00FF	0002	0002	0002
PPD005	(NO DISPLAY)	0000~00FF	0033	0033	0033
PPD006	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPD007	(NO DISPLAY)	0000~00FF	00CA	00CA	00CA

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
PPD008	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPD009	(NO DISPLAY)	0000~00FF	004E	004E	004E
PPD010	(NO DISPLAY)	0000~00FF	0002	0002	0002
PPD011	(NO DISPLAY)	0000~00FF	00E6	00E6	00E6
PPD012	(NO DISPLAY)	0000~00FF	0002	0002	0002
PPD013	(NO DISPLAY)	0000~00FF	0025	0025	0025
PPD014	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPD015	(NO DISPLAY)	0000~00FF	00C9	00C9	00C9
PPD016	(NO DISPLAY)	0000~00FF	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
ADS001	(NO DISPLAY)	0000~00FF	00D7	00D7	00D7
ADS002	(NO DISPLAY)	0000~000F	000F	000F	000F
ADS003	(NO DISPLAY)	0000~0003	0001	0001	0001
ADS004	(NO DISPLAY)	0000~0007	0005	0005	0005
ADS005	(NO DISPLAY)	0000~001F	0016	0016	0016
ADS006	(NO DISPLAY)	0000~00FF	0028	0028	0028
ADS007	(NO DISPLAY)	0000~00FF	0096	0096	0096
ADS008	(NO DISPLAY)	0000~00FF	0020	0020	0020
ADS009	(NO DISPLAY)	0000~00FF	00FF	00FF	00FF
ADS010	(NO DISPLAY)	0000~00FF	00FF	00FF	00FF
ADS011	(NO DISPLAY)	0000~00FF	00FF	00FF	00FF
ADS012	(NO DISPLAY)	0000~007F	0037	0037	0037
ADS013	(NO DISPLAY)	0000~007F	004B	004B	004B
ADS014	(NO DISPLAY)	0000~007F	003D	003D	003D
ADS015	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS016	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS017	(NO DISPLAY)	0000/0001	0000	0000	0000
ADS018	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS019	(NO DISPLAY)	0000/0001	0000	0000	0000
ADS020	(NO DISPLAY)	0000/0001	0000	0000	0000
ADS021	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS022	(NO DISPLAY)	0000/0001	0000	0000	0000
ADS023	(NO DISPLAY)	0000/0001	0000	0000	0000
ADS024	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS025	(NO DISPLAY)	0000/0001	0000	0000	0000
ADS026	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS027	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS028	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS029	(NO DISPLAY)	0000/0001	0000	0000	0000
ADS030	(NO DISPLAY)	0000~001F	0003	0003	0003
ADS031	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS032	(NO DISPLAY)	0000/0001	0000	0000	0000
ADS033	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS034	(NO DISPLAY)	0000~00FF	0032	0032	0032

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPA001	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA002	(NO DISPLAY)	0000~003F	000A	000A	0025
IPA003	(NO DISPLAY)	0000~003F	0022	0022	0022
IPA004	(NO DISPLAY)	0000~003F	002A	002A	0025
IPA005	(NO DISPLAY)	0000~0003	0001	0001	0001

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPA006	(NO DISPLAY)	0000~0003	0001	0001	0001
IPA007	(NO DISPLAY)	0000~000F	000F	000F	000F
IPA008	(NO DISPLAY)	0000~003F	0000	0000	0000
IPA009	(NO DISPLAY)	0000~003F	0008	0008	0008
IPA010	(NO DISPLAY)	0000~003F	001C	001C	0020
IPA011	(NO DISPLAY)	0000~003F	001C	001C	0020
IPA012	(NO DISPLAY)	0000~003F	0020	0020	0020
IPA013	(NO DISPLAY)	0000~0003	0001	0001	0001
IPA014	(NO DISPLAY)	0000~0003	0002	0002	0001
IPA015	(NO DISPLAY)	0000~000F	000F	000F	000F
IPA016	(NO DISPLAY)	0000~003F	000F	000F	000F
IPA017	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA018	(NO DISPLAY)	0000~003F	0003	0003	0012
IPA019	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA020	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA021	(NO DISPLAY)	0000~003F	0030	0030	0030
IPA022	(NO DISPLAY)	0000~0003	0001	0001	0000
IPA023	(NO DISPLAY)	0000~003F	0000	0000	0000
IPA024	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA025	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA026	(NO DISPLAY)	0000~003F	0030	0030	0030
IPA027	(NO DISPLAY)	0000~0003	0001	0001	0000
IPA028	(NO DISPLAY)	0000~003F	0000	0000	0000
IPA029	(NO DISPLAY)	0000~003F	0000	0000	0000
IPA030	(NO DISPLAY)	0000~000F	000F	000F	000F
IPA031	(NO DISPLAY)	0000~0007	0002	0002	0002
IPA032	(NO DISPLAY)	0000~003F	0000	0000	0000
IPA033	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA034	(NO DISPLAY)	0000~003F	0000	0000	0000
IPA035	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA036	(NO DISPLAY)	0000~003F	000D	000D	000D
IPA037	(NO DISPLAY)	0000~003F	000D	000D	000D
IPA038	(NO DISPLAY)	0000~003F	0010	0010	0010
IPA039	(NO DISPLAY)	0000~0003	0001	0001	0001
IPA040	(NO DISPLAY)	0000~0003	0001	0001	0001
IPA041	(NO DISPLAY)	0000~000F	000F	000F	000F
IPA042	(NO DISPLAY)	0000~003F	0005	0005	0005
IPA043	(NO DISPLAY)	0000~003F	0008	0008	0008
IPA044	(NO DISPLAY)	0000~003F	0020	0020	0020
IPA045	(NO DISPLAY)	0000~003F	0020	0020	0020
IPA046	(NO DISPLAY)	0000~003F	0020	0020	0020
IPA047	(NO DISPLAY)	0000~0003	0002	0002	0002
IPA048	(NO DISPLAY)	0000~0003	0002	0002	0002
IPA049	(NO DISPLAY)	0000~000F	0007	0007	0007
IPA050	(NO DISPLAY)	0000~003F	0008	0008	0008
IPA051	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA052	(NO DISPLAY)	0000~003F	0008	0008	0008
IPA053	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA054	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA055	(NO DISPLAY)	0000~003F	0015	0015	0015
IPA056	(NO DISPLAY)	0000~0003	0000	0000	0000
IPA057	(NO DISPLAY)	0000~003F	000A	000A	000A
IPA058	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA059	(NO DISPLAY)	0000/0001	0001	0001	0001

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPA060	(NO DISPLAY)	0000~003F	0015	0015	0015
IPA061	(NO DISPLAY)	0000~0003	0000	0000	0000
IPA062	(NO DISPLAY)	0000~003F	000A	000A	000A
IPA063	(NO DISPLAY)	0000~003F	003F	003F	003F
IPA064	(NO DISPLAY)	0000~000F	0006	0006	0006
IPA065	(NO DISPLAY)	0000~0007	0001	0001	0001
IPA066	(NO DISPLAY)	0000~003F	0008	0008	0008
IPA067	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA068	(NO DISPLAY)	0000~003F	0027	0027	0027
IPA069	(NO DISPLAY)	0000~0003	0000	0000	0000
IPA070	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPA071	(NO DISPLAY)	0000~000F	0003	0003	0003
IPA072	(NO DISPLAY)	0000~00FF	00F6	00F6	00F6
IPA073	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA074	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA075	(NO DISPLAY)	0000~00FF	0018	0018	0016
IPA076	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA077	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA078	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA079	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA080	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA081	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA082	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA083	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA084	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA085	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA086	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA087	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA088	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA089	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA090	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA091	(NO DISPLAY)	0000~000F	0000	0000	0000
IPA092	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPA093	(NO DISPLAY)	0000~000F	000F	000F	000F
IPA094	(NO DISPLAY)	0000~00FF	00FF	00FF	00FF
IPA095	(NO DISPLAY)	0000~000F	0000	0000	0000
IPA096	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPA097	(NO DISPLAY)	0000~000F	000F	000F	000F
IPA098	(NO DISPLAY)	0000~00FF	00FF	00FF	00FF
IPA099	(NO DISPLAY)	0000~000F	0000	0000	0000
IPA100	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPA101	(NO DISPLAY)	0000~000F	0000	0000	0000
IPA102	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPA103	(NO DISPLAY)	0000~000F	0000	0000	0000
IPA104	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPA105	(NO DISPLAY)	0000~000F	0000	0000	0000
IPA106	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPA107	(NO DISPLAY)	0000~000F	0000	0000	0000
IPA108	(NO DISPLAY)	0000~00FF	0080	0080	0080
IPA109	(NO DISPLAY)	0000~000F	0000	0000	0000
IPA110	(NO DISPLAY)	0000~00FF	0040	0040	0040
IPA111	(NO DISPLAY)	0000~000F	0005	0005	0005
IPA112	(NO DISPLAY)	0000~00FF	0040	0040	0040
IPA113	(NO DISPLAY)	0000~000F	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPA114	(NO DISPLAY)	0000~00FF	00C0	00C0	00C0
IPA115	(NO DISPLAY)	0000~000F	0002	0002	0002
IPA116	(NO DISPLAY)	0000~00FF	00EF	00EF	00EF
IPA117	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA118	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA119	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA120	(NO DISPLAY)	0000/0001	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPB001	(NO DISPLAY)	0000~00FF	0001	0001	0001
IPB002	(NO DISPLAY)	0000~00FF	004C	004C	0047
IPB003	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB004	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB005	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB006	(NO DISPLAY)	0000~00FF	0086	0086	0099
IPB007	(NO DISPLAY)	0000~000F	0001	0001	0001
IPB008	(NO DISPLAY)	0000~00FF	0040	0040	0040
IPB009	(NO DISPLAY)	0000~000F	0001	0001	0001
IPB010	(NO DISPLAY)	0000~00FF	0009	0009	000E
IPB011	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB012	(NO DISPLAY)	0000~00FF	009F	009F	00A1
IPB013	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB014	(NO DISPLAY)	0000~00FF	0064	0064	006A
IPB015	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB016	(NO DISPLAY)	0000~00FF	0035	0035	0020
IPB017	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB018	(NO DISPLAY)	0000~00FF	002E	002E	0016
IPB019	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB020	(NO DISPLAY)	0000~00FF	0025	0025	0011
IPB021	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB022	(NO DISPLAY)	0000~00FF	0050	0050	0079
IPB023	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB024	(NO DISPLAY)	0000~00FF	0079	0079	0086
IPB025	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB026	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB027	(NO DISPLAY)	0000~000F	000F	000F	000F
IPB028	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB029	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB030	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB031	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB032	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB033	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB034	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB035	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB036	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB037	(NO DISPLAY)	0000/0001	0000	0000	0000
IPB038	(NO DISPLAY)	0000~0007	0000	0000	0000
IPB039	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB040	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB041	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB042	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB043	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB044	(NO DISPLAY)	0000~00FF	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPB045	(NO DISPLAY)	0000~000F	0001	0001	0001
IPB046	(NO DISPLAY)	0000~00FF	008B	008B	008B
IPB047	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB048	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB049	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB050	(NO DISPLAY)	0000~00FF	0002	0002	0002
IPB051	(NO DISPLAY)	0000~000F	0006	0006	0006
IPB052	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB053	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB054	(NO DISPLAY)	0000~00FF	00D4	00D4	00D4
IPB055	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB056	(NO DISPLAY)	0000~00FF	000A	000A	000E
IPB057	(NO DISPLAY)	0000~000F	0001	0001	0001
IPB058	(NO DISPLAY)	0000~00FF	0016	0016	001A
IPB059	(NO DISPLAY)	0000~0007	0000	0000	0000
IPB060	(NO DISPLAY)	0000~0003	00D6	00D6	00D6
IPB061	(NO DISPLAY)	0000~0003	0000	0000	0000
IPB062	(NO DISPLAY)	0000/0001	0000	0000	0000
IPB063	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB064	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB065	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB066	(NO DISPLAY)	0000/0001	0030	0030	0039
IPB067	(NO DISPLAY)	0000~000F	0006	0006	0006
IPB068	(NO DISPLAY)	0000~000F	0040	0040	0040
IPB069	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB070	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB071	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB072	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB073	(NO DISPLAY)	0000~00FF	0050	0050	0050
IPB074	(NO DISPLAY)	0000/0001	0080	0080	0080
IPB075	(NO DISPLAY)	0000/0001	0080	0080	0080
IPB076	(NO DISPLAY)	0000/0001	0000	0000	0000
IPB077	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB078	(NO DISPLAY)	0000/0001	0000	0000	0000
IPB079	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB080	(NO DISPLAY)	0000~000F	000F	000F	000F
IPB081	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB082	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB083	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB084	(NO DISPLAY)	0000/0001	0000	0000	0000
IPB085	(NO DISPLAY)	0000/0001	0000	0000	0000
IPB086	(NO DISPLAY)	0000/0001	0000	0000	0000
IPB087	(NO DISPLAY)	0000~000F	0009	0009	000B
IPB088	(NO DISPLAY)	0000/0001	0001	0001	0001

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPC001	(NO DISPLAY)	0000~0003	0002	0002	0002
IPC002	(NO DISPLAY)	0000~00FF	0090	0090	0020
IPC003	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC004	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC005	(NO DISPLAY)	0000~000F	0000	0000	0000
IPC006	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPC007	(NO DISPLAY)	0000~000F	0003	0003	0003

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPC008	(NO DISPLAY)	0000~00FF	00F5	00F5	00F6
IPC009	(NO DISPLAY)	0000~000F	0004	0004	0004
IPC010	(NO DISPLAY)	0000~00FF	005E	005E	005E
IPC011	(NO DISPLAY)	0000~000F	0000	0000	0000
IPC012	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPC013	(NO DISPLAY)	0000~0003	0000	0000	0000
IPC014	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC015	(NO DISPLAY)	0000/0001	0001	0001	0001
IPC016	(NO DISPLAY)	0000~00FF	0016	0016	0000
IPC017	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC018	(NO DISPLAY)	0000~007F	0000	0000	0000
IPC019	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC020	(NO DISPLAY)	0000~007F	0001	0001	0001
IPC021	(NO DISPLAY)	0000~000F	0000	0000	0000
IPC022	(NO DISPLAY)	0000~00FF	008A	008A	0090
IPC023	(NO DISPLAY)	0000~0003	0000	0000	0000
IPC024	(NO DISPLAY)	0000~00FF	001A	001A	0002
IPC025	(NO DISPLAY)	0000/0001	0001	0001	0000
IPC026	(NO DISPLAY)	0000~007F	0001	0001	0004
IPC027	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC028	(NO DISPLAY)	0000~007F	0000	0000	0000
IPC029	(NO DISPLAY)	0000/0001	0001	0001	0001
IPC030	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC031	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC032	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC033	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC034	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC035	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC036	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC037	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC038	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC039	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC040	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC041	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC042	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC043	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC044	(NO DISPLAY)	0000/0001	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPD001	(NO DISPLAY)	0000~00FF	0040	0040	0040
IPD002	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPD003	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPD004	(NO DISPLAY)	0000~0007	0000	0000	0000
IPD005	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPD006	(NO DISPLAY)	0000~0007	0006	0006	0006
IPD007	(NO DISPLAY)	0000~00FF	0018	0018	0018
IPD008	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD009	(NO DISPLAY)	0000~000F	0001	0001	0001
IPD010	(NO DISPLAY)	0000~00FF	0062	0062	0062
IPD011	(NO DISPLAY)	0000~000F	0005	0005	0005
IPD012	(NO DISPLAY)	0000~00FF	002B	002B	002B
IPD013	(NO DISPLAY)	0000~0007	0000	0000	0000
IPD014	(NO DISPLAY)	0000~0007	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPD015	(NO DISPLAY)	0000/0001	0002	0002	0002
IPD016	(NO DISPLAY)	0000/0001	0002	0002	0002
IPD017	(NO DISPLAY)	0000~00FF	0002	0002	0002
IPD018	(NO DISPLAY)	0000~0007	0002	0002	0002
IPD019	(NO DISPLAY)	0000~00FF	0002	0002	0002
IPD020	(NO DISPLAY)	0000~0007	0002	0002	0002
IPD021	(NO DISPLAY)	0000~00FF	0070	0070	0070
IPD022	(NO DISPLAY)	0000/0001	0080	0080	0080
IPD023	(NO DISPLAY)	0000~000F	0080	0080	0080
IPD024	(NO DISPLAY)	0000~00FF	0070	0070	0070
IPD025	(NO DISPLAY)	0000~000F	0060	0060	0060
IPD026	(NO DISPLAY)	0000~00FF	0050	0050	0050
IPD027	(NO DISPLAY)	0000~00FF	0040	0040	0040
IPD028	(NO DISPLAY)	0000~0007	0002	0002	0002
IPD029	(NO DISPLAY)	0000~0007	0001	0001	0001
IPD030	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD031	(NO DISPLAY)	0000/0001	0001	0001	0001
IPD032	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPD033	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD034	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD035	(NO DISPLAY)	0000~0003	0000	0000	0000
IPD036	(NO DISPLAY)	0000~000F	0000	0000	0000
IPD037	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPD038	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPD039	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD040	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD041	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD042	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD043	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD044	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD045	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD046	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD047	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPD048	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPD049	(NO DISPLAY)	0000~00FF	0090	0090	0090
IPD050	(NO DISPLAY)	0000~0007	0000	0000	0000
IPD051	(NO DISPLAY)	0000~00FF	001D	001D	001D
IPD052	(NO DISPLAY)	0000~0007	0002	0002	0002
IPD053	(NO DISPLAY)	0000~00FF	00E6	00E6	00E6
IPD054	(NO DISPLAY)	0000/0001	0001	0001	0001
IPD055	(NO DISPLAY)	0000~000F	0001	0001	0001
IPD056	(NO DISPLAY)	0000~00FF	000E	000E	000E
IPD057	(NO DISPLAY)	0000~000F	0004	0004	0004
IPD058	(NO DISPLAY)	0000~00FF	00C0	00C0	00C0

4.7 ADJUSTMENT PROCEDURE

4.7.1 DISPLAY UNIT

Item	Measuring instrument	Test point	Adjustment part	Description
PDP POWER SUPPLY VOLTAGE	DC voltmeter	[SMPS PWB] Va Vsca Vs Ve Vset	[SMPS PWB] VA VR VSCAN VR VS VR VE VR VSET VR	**CAUTION:** • Confirm the display after the power supply is turned on on the screen as [NO SYNC]. (1) Connect the DC voltmeter to the test point < Va >, < Vsca >, < Vs >, < Ve >, < Vset > and < GND > on the SMPS PWB. (See Fig.1) (2) Adjust < VA VR >, < VSCAN VR >, < VS VR >, < VE VR > and < VSET VR > so that the < Va >, < Vsc >, < Vs >, < Ve > and < Vset > voltage coincides with the values in the voltage label.

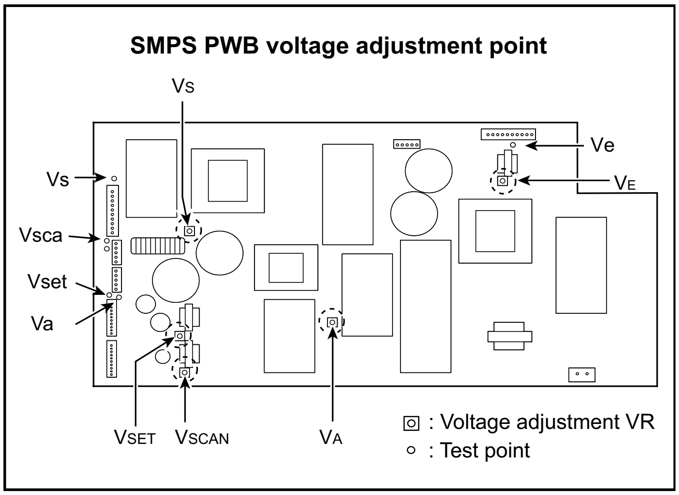

SMPS PWB voltage adjustment point
Vs
Vs
Vsca
Vset
Va
Ve
VE
VSET
VSCAN
VA
: Voltage adjustment VR
: Test point

Fig.1

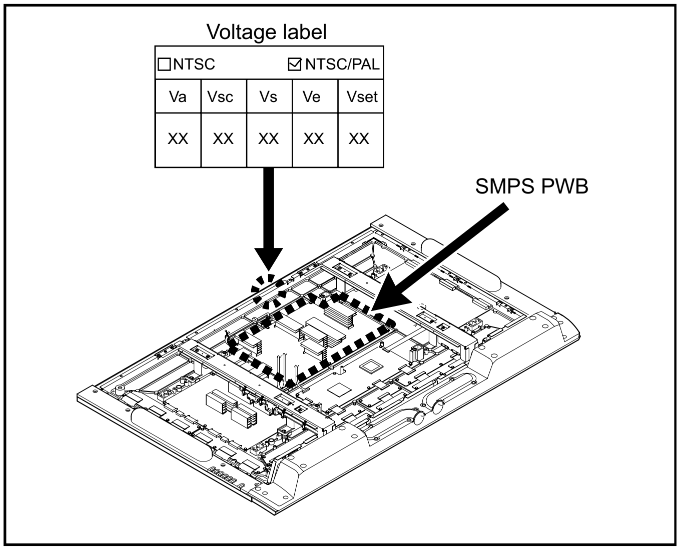
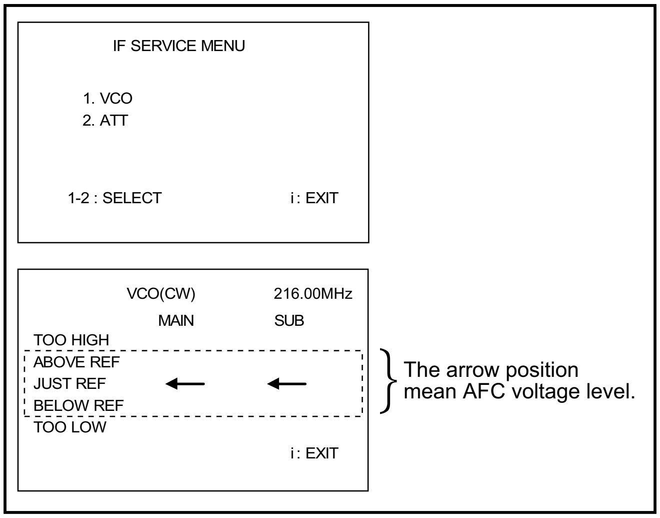
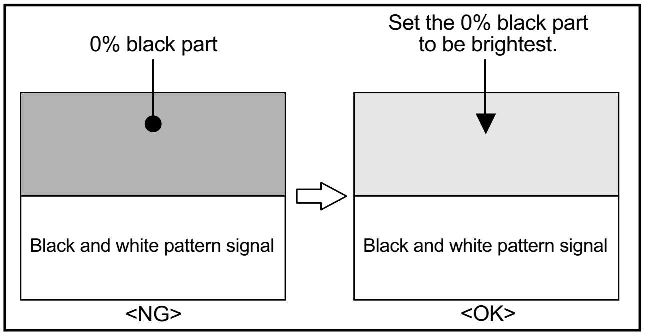
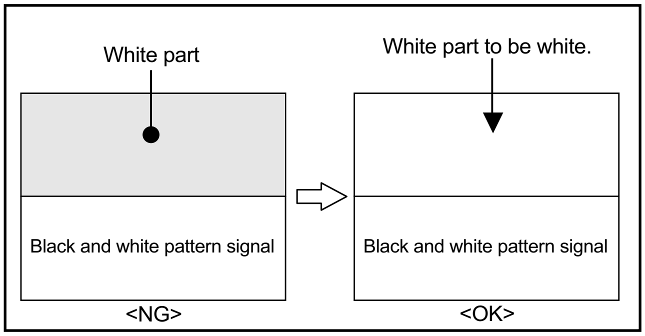
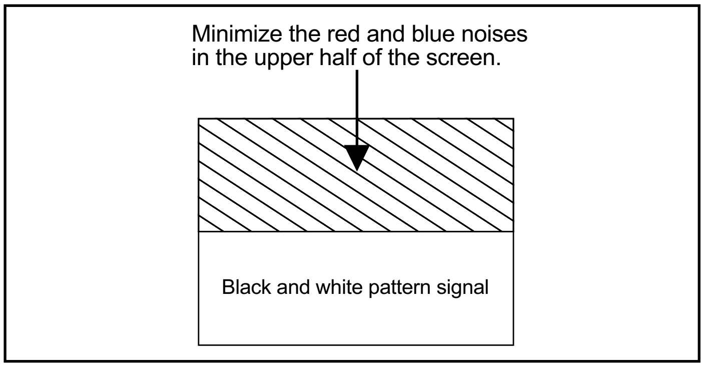
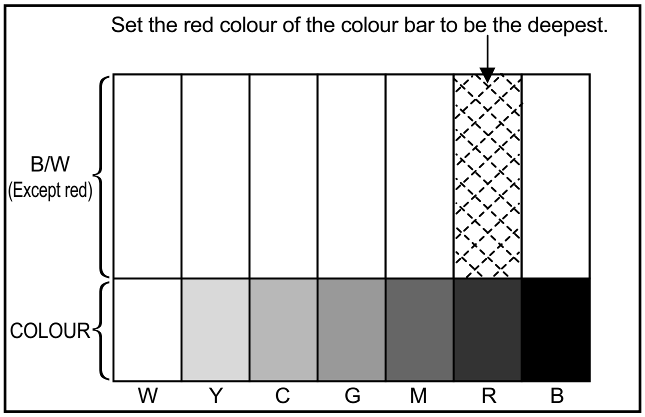
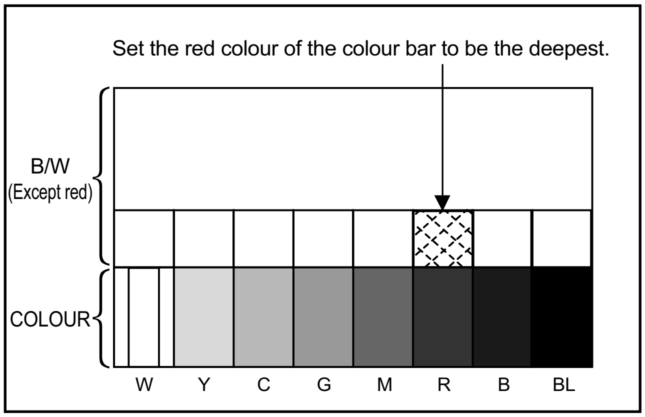
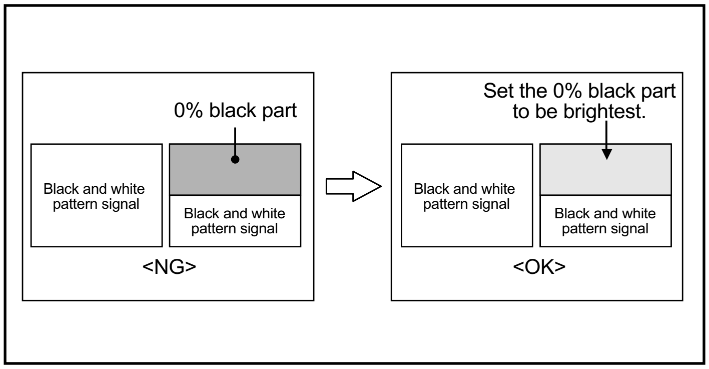
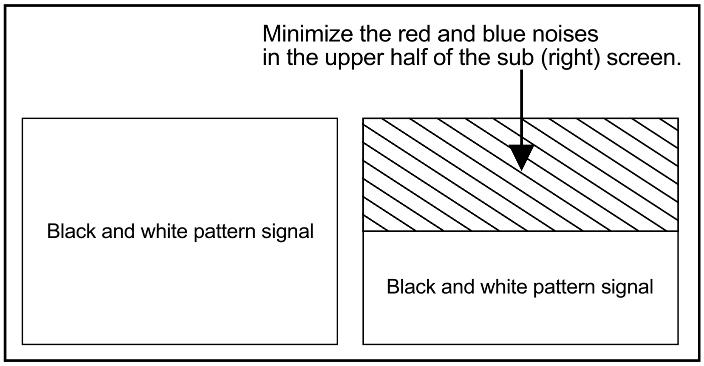
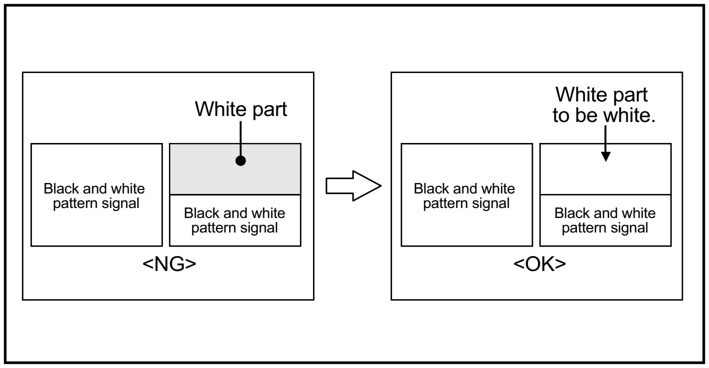

Voltage label
☐NTSC
☑NTSC/PAL
Va
Vsc
Vs
Ve
Vset
XX
XX
XX
XX
XX
SMPS PWB

Fig.2

4.7.2 RECEIVER UNIT

Item	Measuring instrument	Test point	Adjustment part	Description
VCO (AFC) check	Remote control unit Signal generator		[1.IF] 1. VCO (CW)	(1) Receive a PAL colour bar signal. (2) Select "1. IF" from the SERVICE MENU. (3) Select "1. VCO." (4) Make sure that an arrow of "MAIN" is in the position between "ABOVE REF." and "BELOW REF."on the screen. (5) Make sure that an arrow of "SUB" is in the position between "ABOVE REF." and "BELOW REF."on the screen.
 IF SERVICE MENU 1. VCO 2. ATT 1-2 : SELECT i : EXIT VCO(CW) 216.00MHz MAIN SUB TOO HIGH ABOVE REF JUST REF BELOW REF TOO LOW i : EXIT The arrow position mean AFC voltage level. Fig.3				
SUB BRIGHTNESS	Remote control unit Signal generator		[2.VC] 9. BRIGHT (Bright)	(1) Receive a PAL black and white pattern signal (including 0% black signal). (2) Select "2. VC" from the SERVICE MENU. (3) Adjust < 9. BRIGHT > (Bright) to set the 0% black part to be the brightest. (4) Press the [OK] key to save the value.
 0% black part Set the 0% black part to be brightest. Black and white pattern signal Black and white pattern signal <NG> <OK> Fig.4				
SUB CONTRAST	Remote control unit Signal generator		[2. VC] 10. CONT (Contrast)	(1) Receive a PAL black and white pattern signal (colour off). (2) Select "2. VC" from the SERVICE MENU. (3) Adjust < 10. CONT > (Contrast) to set the white part to be white. (4) Press the [OK] key to save the value.
 White part White part to be white. Black and white pattern signal Black and white pattern signal <NG> <OK> Fig.5				

Item	Measuring instrument	Test point	Adjustment part	Description
SUB A-D OFFSET	Remote control unit Signal generator		[2. VC] 22.M BOF ST (Main-screen blue off set) 23.M ROF ST (Main-screen red off set)	(1) Receive a PAL black and white pattern signal (including 0% black signal). (2) Select "2. VC" from the SERVICE MENU. (3) Adjust < 22.M BOF ST >(Main-screen blue off set) to minimize the blue noise in the upper half of the sub (right) screen. (See Fig.6) **NOTE:** If you select an adjustment item < 22.M BOF ST >, then the screen automatically turns to twin pictures mode. (4) Press the [OK] key to save the value. (5) Adjust <23.M ROF ST >(Main-screen red off set) to minimize the red noise in the upper half of the sub (right) screen. (See Fig.6) (6) Press the [OK] key to save the value.
 Minimize the red and blue noises in the upper half of the screen. Black and white pattern signal Fig.6				
PAL/SECAM/ NTSC SUB COLOUR	Remote control unit Signal generator		[2.VC] 13. COLOUR (Colour)	**- PAL COLOUR -** (1) Receive a PAL colour bar signal (full field colour bar). (2) Select "2. VC" from the SERVICE MENU. (3) Adjust < 13. COLOUR > (Colour) to set the red colour of the colour bar signal to be the reddest. (See Fig.6) If noise is not completely deleted, adjust <13. COLOUR> so that the red colour has the minimum noise. **NOTE:** If you select an adjustment item < 13. COLOUR >, then the screen turns to an adjustment screen shown in Fig.7. (4) Press the [OK] key to save the value. (5) Press the [INFORMATION] key twice to the normalscreen. **- SECAM COLOUR -** (1) Receive a SECAM colour bar signal (half colour bar). (2) Select "2. VC" from the SERVICE MENU. (3) Make similar adjustment of SECAM COLOUR in the same way as for "PAL COLOUR". (See Fig.8) **- NTSC COLOUR -** (1) Input a NTSC 3.58 composite colour bar signal (full field colour bar 75% white). (2) Select "2. VC" from the SERVICE MENU. (3) Make similar adjustment of NTSC COLOUR in the same way as for "PAL COLOUR". (See Fig.7) (4) Input a NTSC 4.43 composite colour bar signal (full field colour bar 75% white), and then check the red colour of the colour bar signal and confirm that there is no noise or the minimum noise.
 Set the red colour of the colour bar to be the deepest. B/W (Except red) COLOUR W Y C G M R B Fig.7  Set the red colour of the colour bar to be the deepest. B/W (Except red) COLOUR W Y C G M R B BL Fig.8				

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>SUB-SCREEN BRIGHTNESS</td><td>Remote control unit
Signal generator</td><td></td><td>[2. VC]
11. TWN BRG (Sub-screen bright)</td><td rowspan="2">(1) Receive a PAL black and white pattern signal (including 0% black signal).
(2) Select "2. VC" from the SERVICE MENU.
(3) Adjust < 11. TWN BRG > (Sub-screen bright) to set the 0% black part in the sub (right) screen to be the brightest.
NOTE:
If you select an adjustment item < 11.TWN BRG >, then the screen automatically turns to twin pictures mode.
(4) Press the [OK] key to save the value.</td></tr>
<tr><td colspan="4">
0% black part
Set the 0% black part to be brightest.
Black and white pattern signal
Black and white pattern signal
<NG>
Black and white pattern signal
Black and white pattern signal
<OK>
Fig.9</td></tr>
<tr><td>SUB-SCREEN A-DOFFSET</td><td>Remote control unit
Signal generator</td><td></td><td>[2. VC]
7. TWN HI R (Sub-screen high light red)
8. TWN HI B (Sub-screen high light blue)</td><td rowspan="2">(1) Receive a PAL black and white pattern signal (including 0% black signal).
(2) Select "2. VC" from the SERVICE MENU.
(3) Adjust < 7.TWN HI R >(Sub-screen high light red) to minimize the red noise in the upper half of the sub (right) screen. (See Fig.10)
NOTE:
If you select an adjustment item < 7. TWN HI R >, then the screen automatically turns to twin pictures mode.
(4) Press the [OK] key to save the value.
(5) Adjust < 8.TWN HI B >(Sub-screen high light blue) to minimize the blue noise in the upper half of the sub (right) screen. (See Fig.10)
(6) Press the [OK] key to save the value.</td></tr>
<tr><td colspan="4">
Minimize the red and blue noises in the upper half of the sub (right) screen.
Black and white pattern signal
Black and white pattern signal
Fig.10</td></tr>
<tr><td>SUB-SCREEN CONTRAST</td><td>Remote control unit
Signal generator</td><td></td><td>[2. VC]
12. TWN CNT (Sub-screen contrast)</td><td rowspan="2">(1) Receive a PAL black and white pattern signal (colour off).
(2) Select "2. VC" from the SERVICE MENU.
(3) Adjust < 12. TWN CNT > (Sub-screen contrast) to set the white part in the sub (right) screen to be white.
NOTE:
If you select an adjustment item < 12.TWN CNT >, then the screen automatically turns to twin pictures mode.
(4) Press the [OK] key to save the value.</td></tr>
<tr><td colspan="4">
White part
White part to be white.
Black and white pattern signal
Black and white pattern signal
<NG>
Black and white pattern signal
Black and white pattern signal
<OK>
Fig.11</td></tr>
</table>

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>**PAL/SECAM/ NTSC SUB-SCREEN COLOUR**</td><td>Remote control unit
Signal generator</td><td></td><td>[2. VC]
16. TWN COL (Sub-screen colour)</td><td rowspan="2">**- SUB-SCREEN PAL COLOUR -**
(1) Receive a PAL colour bar signal (full field colour bar).
(2) Select "2. VC" from the SERVICE MENU.
(3) Adjust < 16. TWN COL > (Sub-screen colour) to set the red colour of the colour bar signal in the sub screen to be the reddest. (See Fig.12)
If noise is not completely deleted, adjust < 16. TWN COL > so that the red colour has the minimum noise.
NOTE:
If you select an adjustment item < 16.TWN COL >, then the screen automatically turns to twin pictures mode.
(4) Press the [OK] key to save the value.
(5) Press the [INFORMATION] key twice to the normal screen.

- SUB-SCREEN SECAM COLOUR -
(1) Receive a SECAM colour bar signal (half colour bar).
(2) Select "2. VC" from the SERVICE MENU.
(3) Make similar adjustment of SECAM COLOUR in the same way as for "SUB-SCREEN PAL COLOUR". (See Fig.13)

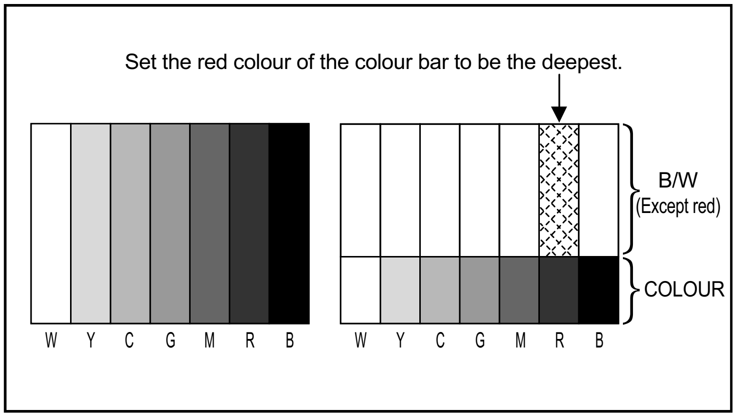
- SUB-SCREEN NTSC COLOUR -
(1) Input a NTSC 3.58 composite colour bar signal (full field colour bar 75% white).
(2) Select "2. VC" from the SERVICE MENU.
(3) Make similar adjustment of NTSC COLOUR in the same way as for "SUB-SCREEN PAL COLOUR". (See Fig.12)
(4) Input a NTSC 4.43 composite colour bar signal (full field colour bar 75% white), and then check the red colour of the colour bar signal and confirm that there is no noise or the minimum noise.</td></tr>
<tr><td colspan="4">
Set the red colour of the colour bar to be the deepest.

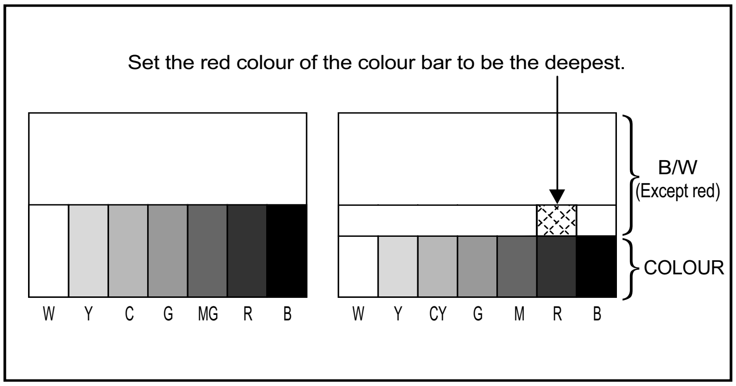
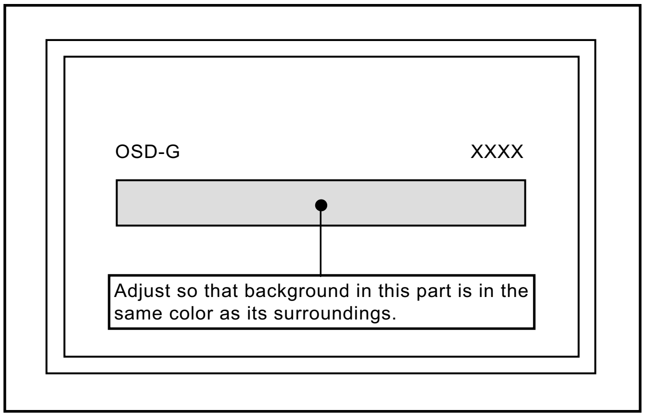
Fig.12

Set the red colour of the colour bar to be the deepest.

Fig13</td></tr>
</table>

Item	Measuring instrument	Test point	Adjustment part	Description
WHITE BALANCE (HIGH LIGHT)	Remote control unit Signal generator		[2. VC] S13: R GAIN S15: G GAIN S17: B GAIN	(1) Receive a PAL 75% all-white signal. (2) Set colour temperature to "NORMAL." (3) Select "2. VC" from the SERVICE MENU. (4) Fix one of < S13 > (R GAIN), < S15 > (G GAIN), or < S17 > (B GAIN). Then, lower the other two that are not fixed so that the all-white screen is equally white throughout. **NOTE:** Set one or more of < S13 >, < S15 >, and < S17 > to 255. (5) Check that white balance is properly tracked from low light to high light. If the white balance tracking is deviated, adjust to correct it. (6) Press the [OK] key to save the value.
OSD OFFSET	Remote control unit Signal generator		[4.DD/CM] OSD-G (OSD green offset) OSD-B (OSD blue offset) OSD-R (OSD red offset)	(1) Input a picture whose signal (synchronization state) is stable. (2) Select "4. DD/CM" from the SERVICE MENU. (3) Select < OSD-G > (OSD green offset). If you select < OSD-G >, then the screen turns to OSD adjustment mode. (See Fig.14) (4) Adjust < OSD-G >, < OSD-B > (OSD blue offset), and < OSD-R > (OSD red offset) so that OSD background is in the same colour as its surroundings. When the background is in green, fix < OSD-G > and adjust the other two. When the background is in blue, fix < OSD-B > and adjust the other two. When the background is in red, fix < OSD-R > and adjust the other two. (5) Press the [OK] or [MENU] key to save the value. (6) Check that there is no noise such as horizontal noise. (7) If noise is detected, lower < OSD-G >, < OSD-B >, and < OSD-R > by one level so that no noise is detected.
 Adjust so that background in this part is in the same color as its surroundings. Fig.14				

SECTION 5
TROUBLESHOOTING

5.1 SELF-DIAGNOSIS FEATURE

5.1.1 OUTLINE

This model has a "Self-diagnosis function," which checks the operation state of the circuits and informs us of a failure by flashing POWER LED when a failure occurs.
Diagnosis is performed when power is turned on, and information input to the main microcomputer is monitored at all time.
Failure detection is based on input state of I^2C bus and the various control lines connected to the main microcomputer.

5.1.2 POINTS TO NOTE WHEN USING THE SELF-DIAGNOSIS FEATURE

POWER LED may flash to inform us of a failure in the following cases, in addition to when circuit failure occurs.

(1) Temporary defective transmissions across circuits due to pulse interruptions.
(2) Misalignment in the on/off timing of power for I^2C bus (Vcc) when turning on/off the main power.

5.1.3 DETAILS

Self-diagnosis is performed for the following items

Type of error	Detection part	Receiver unit		Display unit		Detection timing	Unit
		Colour of LED	State of POWER LED	Colour of LED	POWER LED flash cycle		
Low bias (2.5V / 3.3V / 5V / 9 V) line short	D992 D993 D994 D995 D996 [MAIN PWB]	RED	Light	RED	Flash1.0second / Out1.0second	Detection is performed every 150ms. If nine or more consecutive errors are detected, the power is turned off (and turns to stand-by state).	Receiver
Abnormal rise of temperature in audio part of Display unit	TH6671 [AUDIO PWB]	RED	Flash every 1.0 second	RED	Flash0.1second / Out0.1second	Detection is performed every 1 second. If the temperture of 110°C is detected for 10 seconds or more, the power is turned off.	Display
Abnormal power supply in PDP (PANEL) (shortcircuit etc.)	[PDP UNIT]	RED	Flash every 1.0 second	GREEN	Flash0.1second / Out1.0second	Detection starts 5 seconds after the power is turned on. Detection is performed every 16ms. The power is turned off if NG continues for 700ms.	Display
Abnormal rise of internal temperature in Display unit	[PDP UNIT]	RED	Flash every 1.0 second	GREEN	Flash0.1second / Out0.1second	Detection starts 5 seconds after the power is turned on. Detection is performed every 16ms. The power is turned off if NG continues for 300ms.	Display
Abnormal power supply voltage (5V/Vs/Vd)	[PDP UNIT]						
Abnormal operation of PDP (PANEL)	[PDP UNIT]	RED	Flash every 1.0 second	GREEN	Flash1.0second / Out1.0second	Detection starts 5 seconds after the power is turned on. Detection is performed every 16ms. The power is turned off if NG continues for 2000ms.	Display
Abnormal rise of temperature in power supply part of Display unit	IC8101 [TEMP. SENSOR PWB]	RED	Flash every 1.0 second	GREEN	Flash2.0second /Out2.0second	Detection is performed every 0.5 second. If a temperature rises beyond the temperature of 71°C for detection of error over the predetermined 120 times the power is turned off.	Display

VICTOR COMPANY OF JAPAN, LIMITED
AV & MULTIMEDIA COMPANY VIDEO DISPLAY CATEGORY 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama, kanagawa-prefecture, 221-8528, Japan

Printed in Japan
WPC

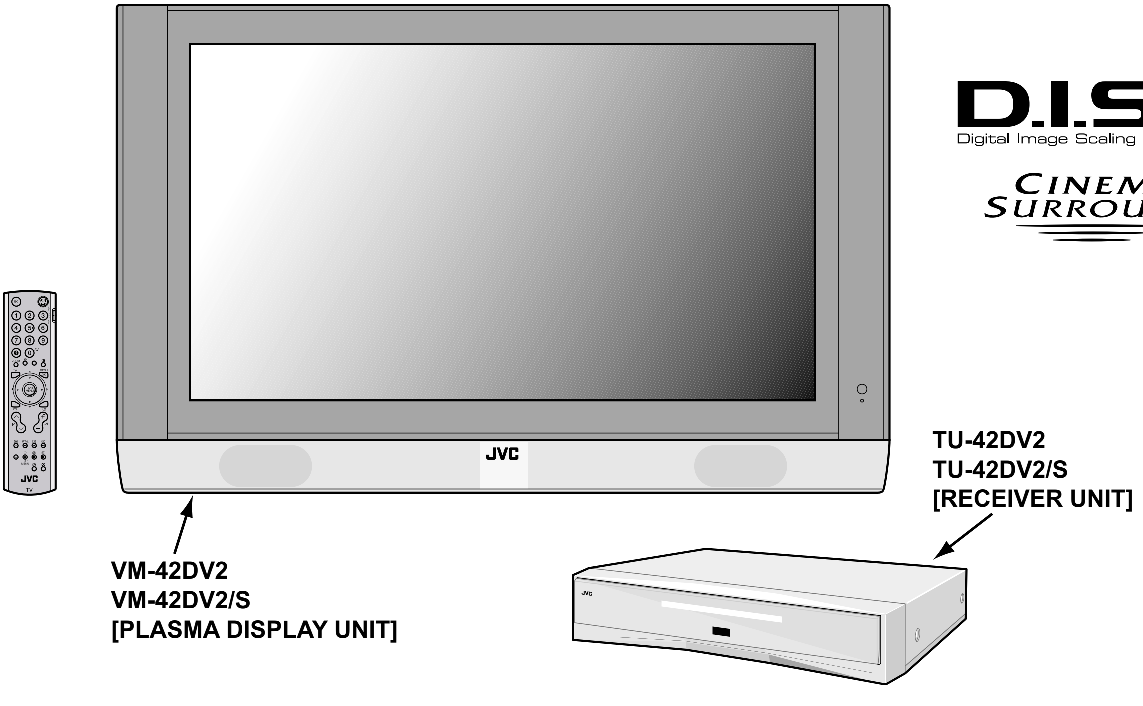
SCHEMATIC DIAGRAMS

PDP COLOUR TELEVISION

PD-42DV2
PD-42DV2/S

CD-ROM No. SML200312

BASIC CHASSIS
MK


JVC
TU-42DV2
TU-42DV2/S
[RECEIVER UNIT]
VM-42DV2
VM-42DV2/S
[PLASMA DISPLAY UNIT]

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No.YA018
2003/11

PD-42DV2, PD-42DV2/S
STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1. SAFETY

The components identified by the ⚠ symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2. SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1) Input signal : Colour bar signal
(2) Setting positions of each knob/button and variable resistor : Original setting position when shipped
(3) Internal resistance of tester : DC 20kΩ/V
(4) Oscilloscope sweeping time : H ⇒ 20μs/div
: V ⇒ 5ms/div
: Others ⇒ Sweeping time is specified
(5) Voltage values : All DC voltage values

*Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3. INDICATION OF PARTS SYMBOL [EXAMPLE]

● In the PW board : R1209 → R209

4. INDICATIONS ON THE CIRCUIT DIAGRAM

(1) Resistors

● Resistance value
No unit : [Ω]
k : [kΩ]
M : [MΩ]

● Rated allowable power
No indication : 1/16 [W]
Others : As specified

● Type
No indication : Carbon resistor
OMR : Oxide metal film resistor
MFR : Metal film resistor
MPR : Metal plate resistor
UNFR : Uninflammable resistor
FR : Fusible resistor

*Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2) Capacitors

● Capacitance value
1 or higher : [pF]
less than 1 : [μF]

● Withstand voltage
No indication : DC50[V]
AC indicated : AC withstand voltage [V]
Others : DC withstand voltage [V]

*Electrolytic Capacitors
47/50[Example] : Capacitance value [μF]/withstand voltage[V]

● Type
No indication : Ceramic capacitor
MY : Mylar capacitor
MM : Metalized mylar capacitor
PP : Polypropylene capacitor
MPP : Metalized polypropylene capacitor
MF : Metalized film capacitor
TF : Thin film capacitor
BP : Bipolar electrolytic capacitor
TAN : Tantalum capacitor

(3) Coils

No unit : [μH]
Others : As specified

(4) Power Supply

═════ : B1
■■■■ : B2(12V)
■□■□ : 9V
□□□□ : 5V

*Respective voltage values are indicated

(5) Test point

◉ : Test point
○ : Only test point display

(6) Connecting method

▭ : Connector
◯ : Wrapping or soldering
→≻ →⊁ : Receptacle

(7) Ground symbol

⊥ : LIVE side ground
⫫ : ISOLATED(NEUTRAL) side ground
⏚ : EARTH ground
▽ : DIGITAL ground

5. NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND and the ISOLATED (NEUTRAL) : (⫫) side GND. Therefore, care must be taken for the following points.

(1) Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED (NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2) Do not short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND at the same time with a measuring apparatus (oscilloscope, etc.). If the above precaution is not respected, a fuse or any parts will be broken.

◆ **Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.**

NOTE

◆ **Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.**
When ordering parts, please use the numbers that appear in the Parts List.

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USING P.W. BOARD

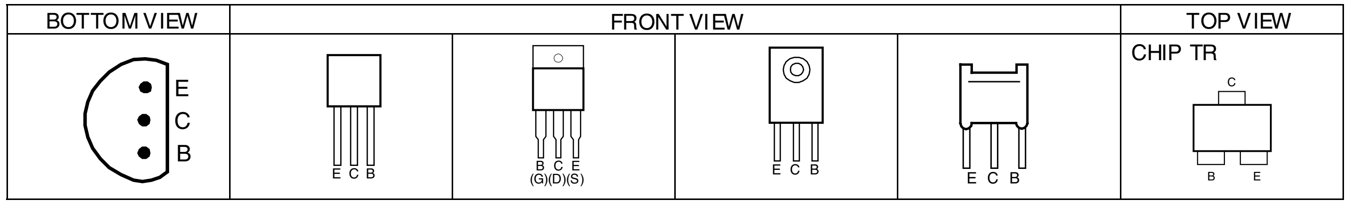
RECEIVER UNIT [TU-42DV2, TU-42DV2/S]

MAIN P.W. BOARD	LCA10335-05A (SMK-1304A)
AV SWITCH P.W. BOARD	LCA90221-02A (SMK-0S04A)
AV JACK P.W. BOARD	LCA90250-01A (SMK-0J04A)
DIST RELAY P.W. BOARD	LCA90071-03B (SMK-0Z312A)
DIST P.W. BOARD	LCA10336-02B (SMK-0Z306A)
MI-COM P.W. BOARD	LCA20002-05C (SMK-0M303A)
MI-COM INTERFACE P.W. BOARD	LCA90216-03A (SMK-0M312A)
RECEIVER POWER P.W. BOARD	LCA90066-03C (SMK-9302A)
FRONT CONTROL P.W. BOARD	LCA90065-03C (SMK-8302A)

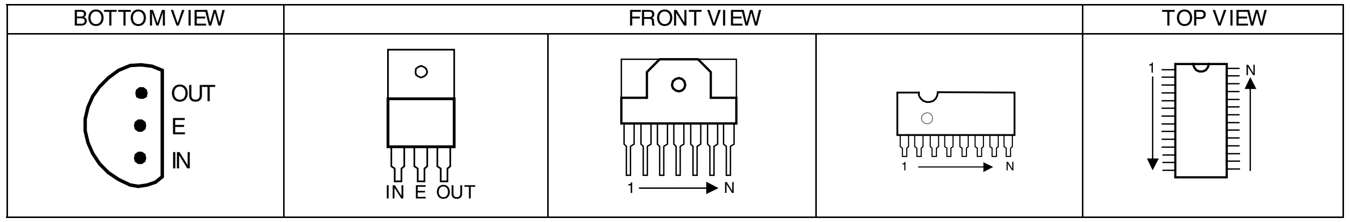
DISPLAY UNIT [VM-42DV2, VM-42DV2/S]

DISPLAY INTERFACE P.W. BOARD	LCA10288-06E (SMK-7368A)
AUDIO PWB P.W. BOARD	LCA90177-04D (SMK-6067A)
TEMP. SENSOR P.W. BOARD	LCA90146-03B (SMK-8381A)
DISPLAY LED P.W. BOARD	LCA90147-02B (SMK-0L268A)
DISPLAY SWITCH P.W. BOARD	LCA90148-03C (SMK-0L367A)
LINE FILTER P.W. BOARD	LCA90143-08E (SMK-9268A)

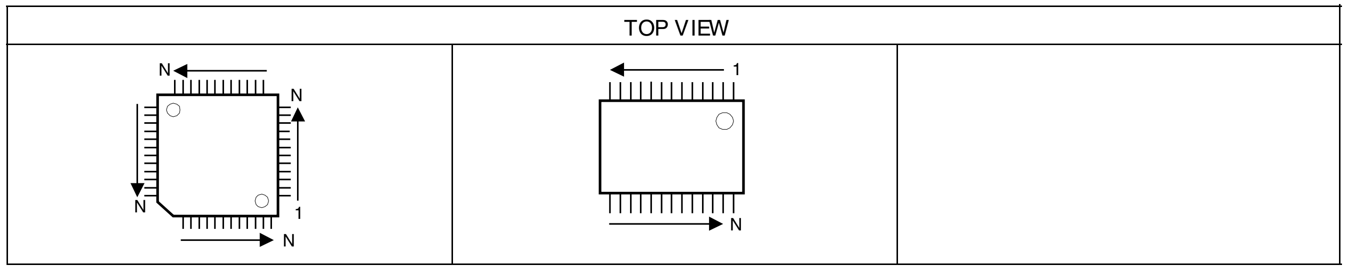
SEMICONDUCTOR SHAPES


BOTTOM VIEW
FRONT VIEW
TOP VIEW
E
C
B
E C B
B C E
(G)(D)(S)
E C B
E C B
CHIP TR
C
B
E

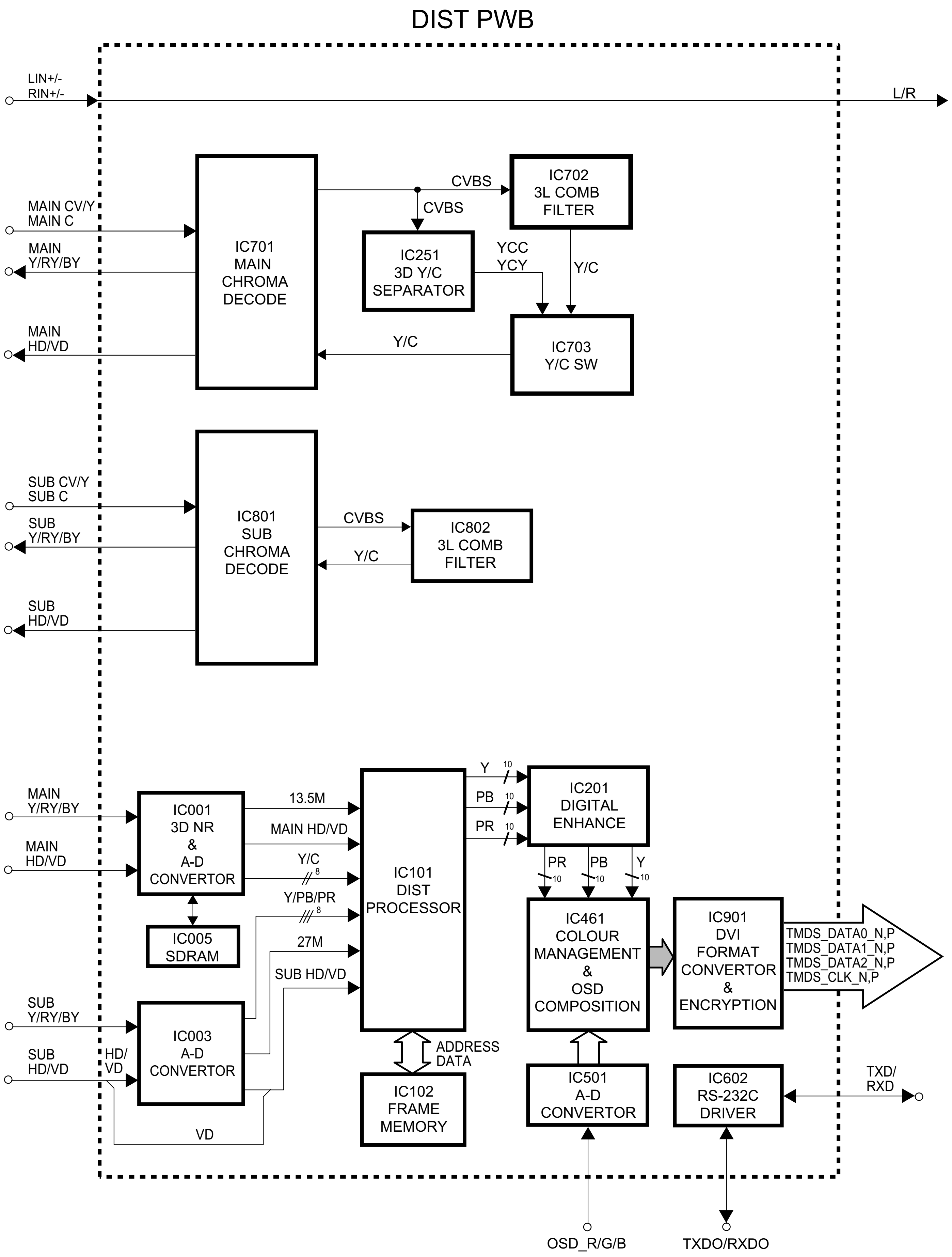
IC


BOTTOM VIEW
FRONT VIEW
TOP VIEW
OUT
E
IN
IN E OUT
1
N
1
N
1
N

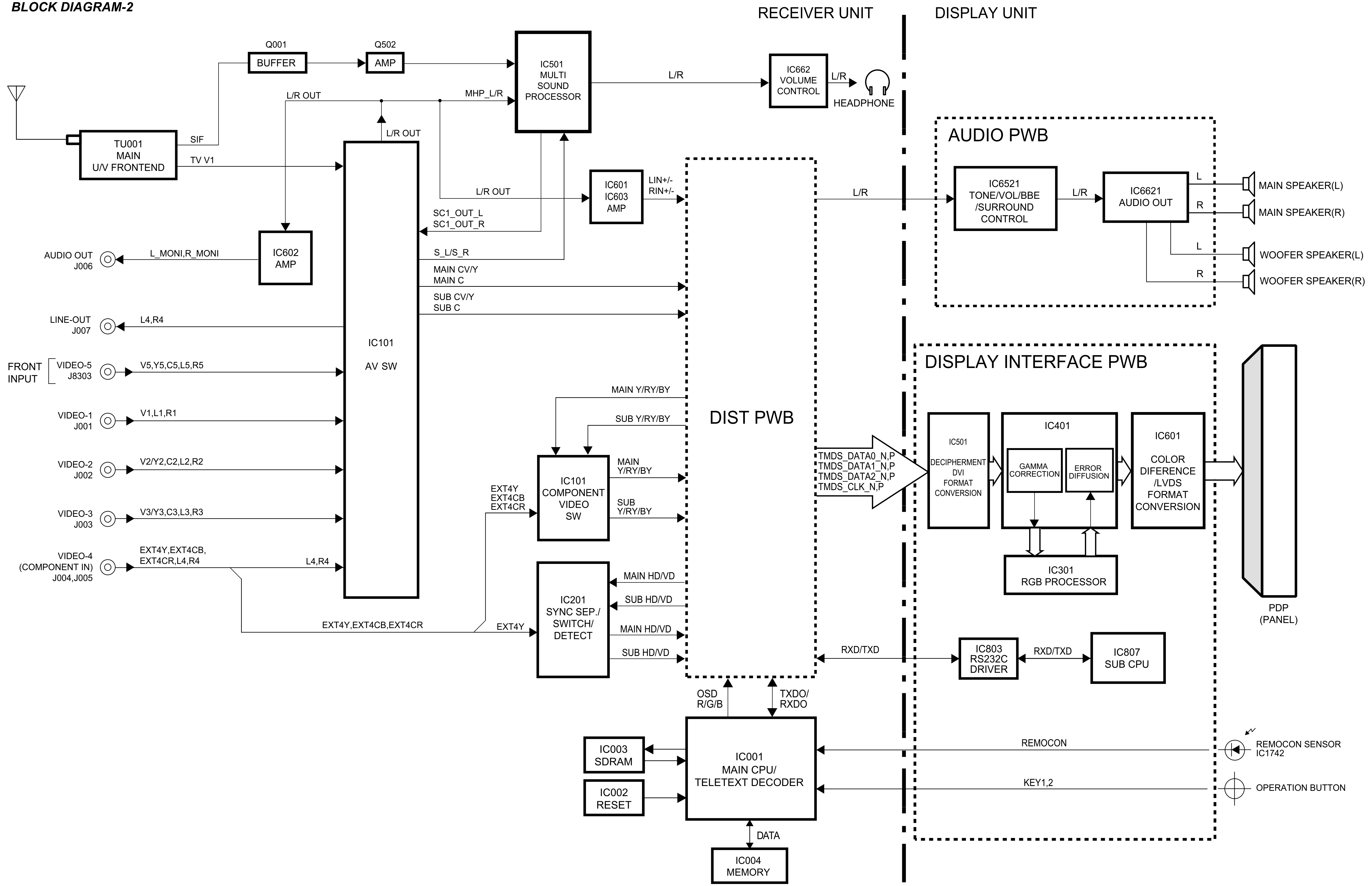
CHIP IC


TOP VIEW
N
N
N
1
N
1
N

BLOCK DIAGRAM -1

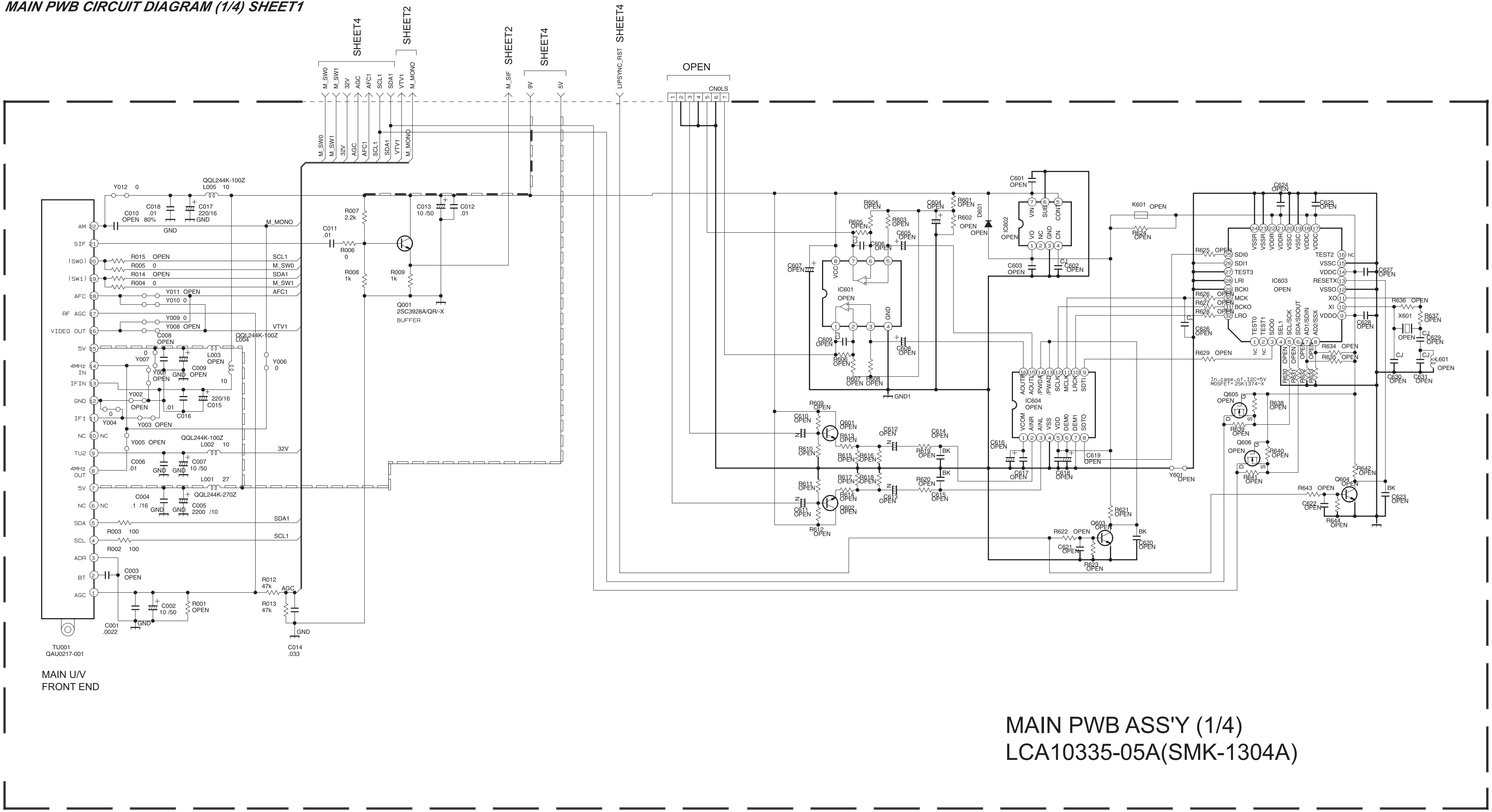

DIST PWB
LIN+/-
RIN+/-
L/R
MAIN CV/Y
MAIN C
MAIN
Y/RY/BY
MAIN
HD/VD
IC701
MAIN
CHROMA
DECODE
CVBS
CVBS
IC702
3L COMB
FILTER
IC251
3D Y/C
SEPARATOR
YCC
YCY
Y/C
Y/C
IC703
Y/C SW
SUB CV/Y
SUB C
SUB
Y/RY/BY
SUB
HD/VD
IC801
SUB
CHROMA
DECODE
CVBS
Y/C
IC802
3L COMB
FILTER
MAIN
Y/RY/BY
MAIN
HD/VD
IC001
3D NR
&
A-D
CONVERTOR
IC005
SDRAM
13.5M
MAIN HD/VD
Y/C
8
Y/PB/PR
8
27M
SUB HD/VD
IC101
DIST
PROCESSOR
Y
PB
PR
10
IC201
DIGITAL
ENHANCE
PR
PB
Y
10
IC461
COLOUR
MANAGEMENT
&
OSD
COMPOSITION
IC901
DVI
FORMAT
CONVERTOR
&
ENCRYPTION
TMDS_DATA0_N,P
TMDS_DATA1_N,P
TMDS_DATA2_N,P
TMDS_CLK_N,P
SUB
Y/RY/BY
SUB
HD/VD
HD/
VD
IC003
A-D
CONVERTOR
VD
ADDRESS
DATA
IC102
FRAME
MEMORY
IC501
A-D
CONVERTOR
IC602
RS-232C
DRIVER
TXD/
RXD
OSD_R/G/B
TXDO/RXDO

BLOCK DIAGRAM-2


RECEIVER UNIT
DISPLAY UNIT
Q001
BUFFER
Q502
AMP
IC501
MULTI
SOUND
PROCESSOR
L/R
IC662
VOLUME
CONTROL
L/R
HEADPHONE
L/R OUT
MHP_L/R
TU001
MAIN
U/V FRONTEND
SIF
TV V1
L/R OUT
L/R OUT
IC601
IC603
AMP
LIN+/-
RIN+/-
SC1_OUT_L
SC1_OUT_R
S_L/S_R
MAIN CV/Y
MAIN C
SUB CV/Y
SUB C
AUDIO OUT
J006
L_MONI,R_MONI
IC602
AMP
LINE-OUT
J007
L4,R4
IC101
AV SW
FRONT
INPUT
VIDEO-5
J8303
V5,Y5,C5,L5,R5
VIDEO-1
J001
V1,L1,R1
VIDEO-2
J002
V2/Y2,C2,L2,R2
VIDEO-3
J003
V3/Y3,C3,L3,R3
VIDEO-4
(COMPONENT IN)
J004,J005
EXT4Y,EXT4CB,
EXT4CR,L4,R4
L4,R4
EXT4Y,EXT4CB,EXT4CR
EXT4Y
EXT4CB
EXT4CR
EXT4Y
MAIN Y/RY/BY
SUB Y/RY/BY
IC101
COMPONENT
VIDEO
SW
MAIN
Y/RY/BY
SUB
Y/RY/BY
IC201
SYNC SEP./
SWITCH/
DETECT
MAIN HD/VD
SUB HD/VD
MAIN HD/VD
SUB HD/VD
DIST PWB
L/R
AUDIO PWB
IC6521
TONE/VOL/BBE
/SURROUND
CONTROL
L/R
IC6621
AUDIO OUT
L
R
L
R
MAIN SPEAKER(L)
MAIN SPEAKER(R)
WOOFER SPEAKER(L)
WOOFER SPEAKER(R)
DISPLAY INTERFACE PWB
TMDS_DATA0_N,P
TMDS_DATA1_N,P
TMDS_DATA2_N,P
TMDS_CLK_N,P
IC501
DECIPHERMENT
DVI
FORMAT
CONVERSION
IC401
GAMMA
CORRECTION
ERROR
DIFFUSION
IC601
COLOR
DIFERENCE
/LVDS
FORMAT
CONVERSION
IC301
RGB PROCESSOR
PDP
(PANEL)
RXD/TXD
IC803
RS232C
DRIVER
RXD/TXD
IC807
SUB CPU
OSD
R/G/B
TXDO/
RXDO
IC003
SDRAM
IC002
RESET
IC001
MAIN CPU/
TELETEXT DECODER
DATA
IC004
MEMORY
REMOCON
REMOCON SENSOR
IC1742
KEY1,2
OPERATION BUTTON

CIRCUIT DIAGRAMS [RECEIVER UNIT]

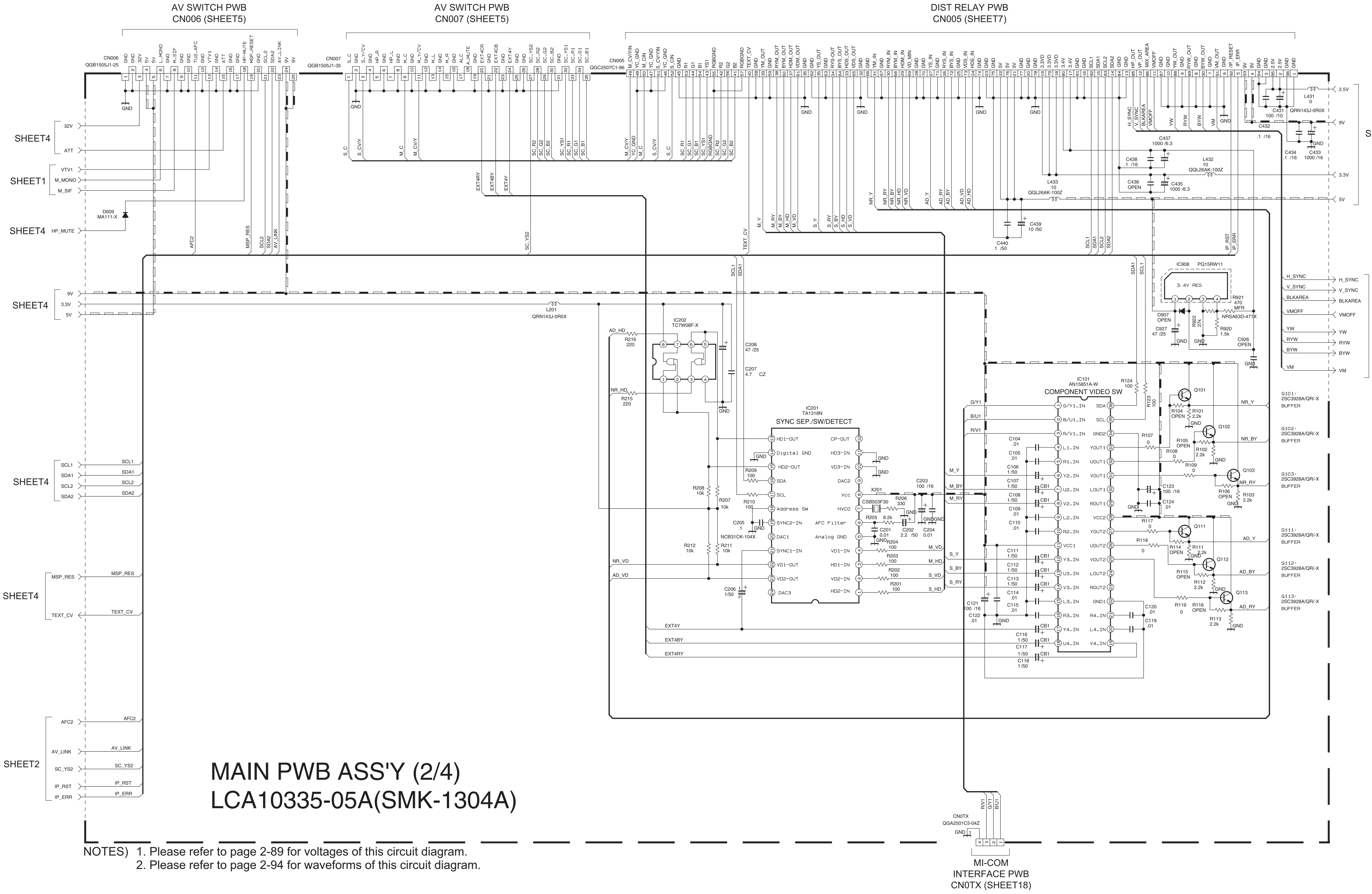
MAIN PWB CIRCUIT DIAGRAM (1/4) SHEET1


SHEET4
SHEET2
SHEET2
SHEET4
SHEET4
M_SW0
M_SW1
32V
AGC
AFC1
SCL1
SDA1
VTV1
M_MONO
M_SIF
9V
5V
LIPSYNC_RST
OPEN
CN0LS
AM
SIF
(SW0)
(SW1)
AFC
RF AGC
VIDEO OUT
5V
4MHz IN
IFIN
GND
IF1
NC
TU2
4MHz OUT
5V
NC
SDA
SCL
ADR
BT
AGC
TU001
QAU0217-001
MAIN U/V
FRONT END
Y012 0
QQL244K-100Z
L005 10
C018 .01
C010 OPEN 80%
C017 220/16
R015 OPEN
R005 0
R014 OPEN
R004 0
Y011 OPEN
Y010 0
Y009 0
Y008 OPEN
C008 OPEN
QQL244K-100Z L004
L003 OPEN
Y006 0
Y007
Y001 OPEN
C009 OPEN
Y002
C015 220/16
C016
Y004
Y003 OPEN
Y005 OPEN
QQL244K-100Z
L002 10
C006 .01
C007 10 /50
L001 27
QQL244K-270Z
C004 .1 /16
C005 2200 /10
R003 100
R002 100
C003 OPEN
C002 10 /50
R001 OPEN
C001 .0022
R012 47k
R013 47k
C014 .033
R007 2.2k
C013 10 /50
C012 .01
C011 .01
R006 0
R008 1k
R009 1k
Q001
2SC3928A/QR/-X
BUFFER
IC601 OPEN
IC602 OPEN
IC603 OPEN
IC604 OPEN
D601
K601 OPEN
X601
L601 OPEN
Y601 OPEN
Q601 OPEN
Q602 OPEN
Q603 OPEN
Q604 OPEN
Q605 OPEN
Q606 OPEN
In case of I2C=5V
MOSFET= 2SK1374-X
GND1
BK

MAIN PWB ASS'Y (1/4)
LCA10335-05A(SMK-1304A)

NOTES) 1. Please refer to page 2-89 for voltages of this circuit diagram.
2. Please refer to page 2-94 for waveforms of this circuit diagram.

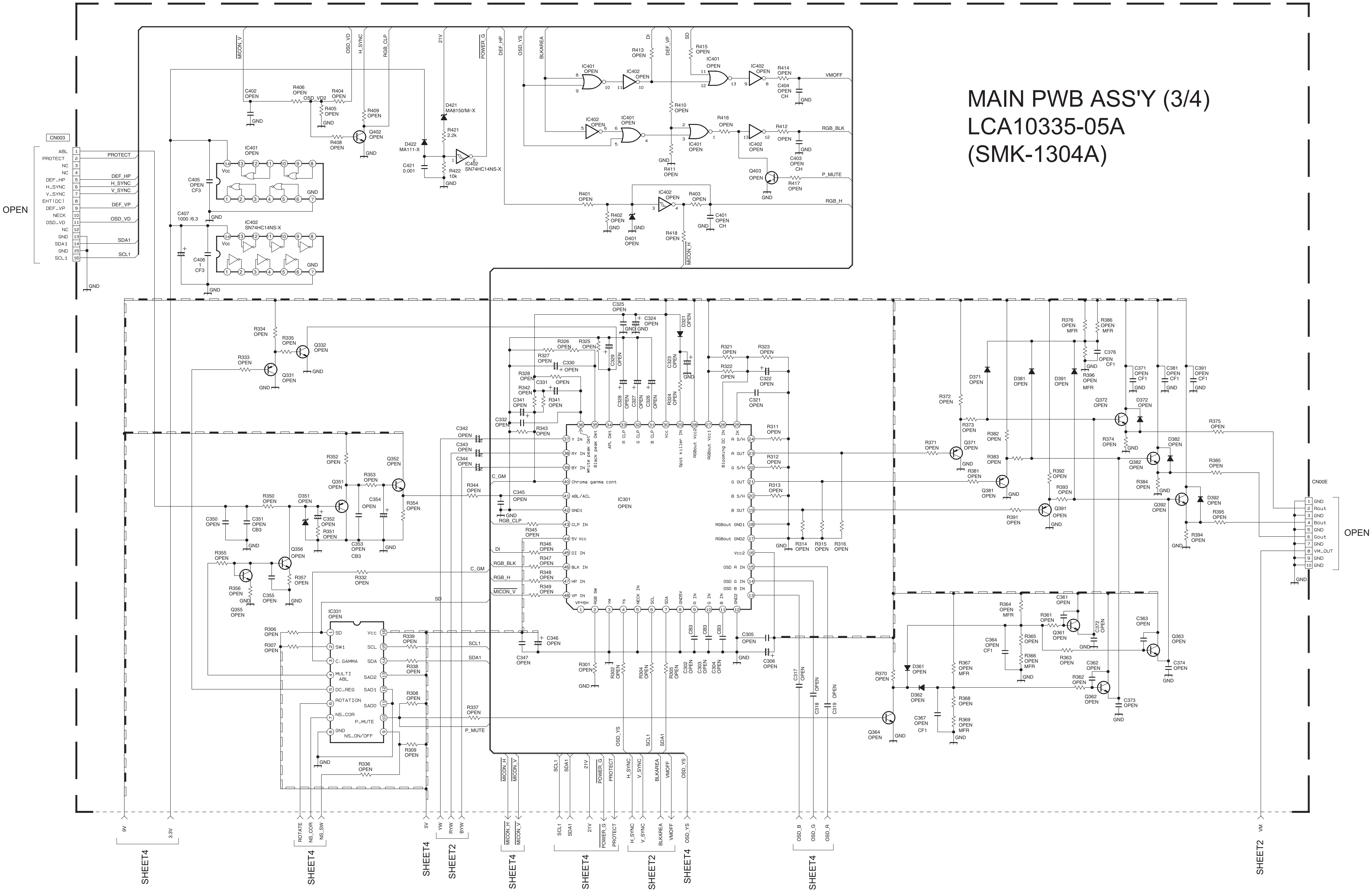
MAIN PWB CIRCUIT DIAGRAM (2/4) SHEET2


AV SWITCH PWB
CN006 (SHEET5)
AV SWITCH PWB
CN007 (SHEET5)
DIST RELAY PWB
CN005 (SHEET7)
CN006
QGB1505J1-25
CN007
QGB1505J1-35
CN005
QGC2507C1-96
SHEET4
SHEET1
SHEET4
SHEET4
SHEET4
SHEET4
SHEET2
SHEET4
SHEET3
32V
ATT
VTV1
M_MONO
M_SIF
HP_MUTE
D609
MA111-X
9V
3.3V
5V
L201
QRN143J-0R0X
SCL1
SDA1
SCL2
SDA2
MSP_RES
TEXT_CV
AFC2
AV_LINK
SC_YS2
IP_RST
IP_ERR
IC202
TC7W08F-X
C208
47 /25
C207
4.7 CZ
R216
220
R215
220
AD_HD
NR_HD
NR_VD
AD_VD
IC201
TA1318N
SYNC SEP./SW/DETECT
HD1-OUT
Digital GND
HD2-OUT
SDA
SCL
Address Sw
SYNC2-IN
DAC1
SYNC1-IN
VD1-OUT
VD2-OUT
DAC3
CP-OUT
HD3-IN
VD3-IN
DAC2
Vcc
HVCO
AFC Filter
Analog GND
VD1-IN
HD1-IN
VD2-IN
HD2-IN
X201
CSB503F30
NCB31CK-104X
IC101
AN15851A-W
COMPONENT VIDEO SW
G/Y1
B/U1
R/V1
M_Y
M_BY
M_RY
S_Y
S_BY
S_RY
EXT4Y
EXT4BY
EXT4RY
Q101
Q102
Q103
Q111
Q112
Q113
Q101 : 2SC3928A/QR/-X BUFFER
Q102 : 2SC3928A/QR/-X BUFFER
Q103 : 2SC3928A/QR/-X BUFFER
Q111 : 2SC3928A/QR/-X BUFFER
Q112 : 2SC3928A/QR/-X BUFFER
Q113 : 2SC3928A/QR/-X BUFFER
NR_Y
NR_BY
NR_RY
AD_Y
AD_BY
AD_RY
IC908 PQ15RW11
3.4V REG
D907
OPEN
R921
470
MFR
NRSA63D-471X
C926
OPEN
C927
47 /25
H_SYNC
V_SYNC
BLKAREA
VMOFF
YW
RYW
BYW
VM
2.5V
9V
3.3V
5V
L431
0
QRN143J-0R0X
C431
100 /10
C432
.1 /16
C433
1000 /16
C434
.1 /16
L432
10
QQL26AK-100Z
L433
10
QQL26AK-100Z
C437
1000 /6.3
C438
.1 /16
C436
OPEN
C435
1000 /6.3
C439
10 /50
C440
.1 /50
MAIN PWB ASS'Y (2/4)
LCA10335-05A(SMK-1304A)
CN0TX
QGA2501C5-04Z
MI-COM
INTERFACE PWB
CN0TX (SHEET18)

NOTES) 1. Please refer to page 2-89 for voltages of this circuit diagram.
2. Please refer to page 2-94 for waveforms of this circuit diagram.

MAIN PWB CIRCUIT DIAGRAM (3/4) SHEET3

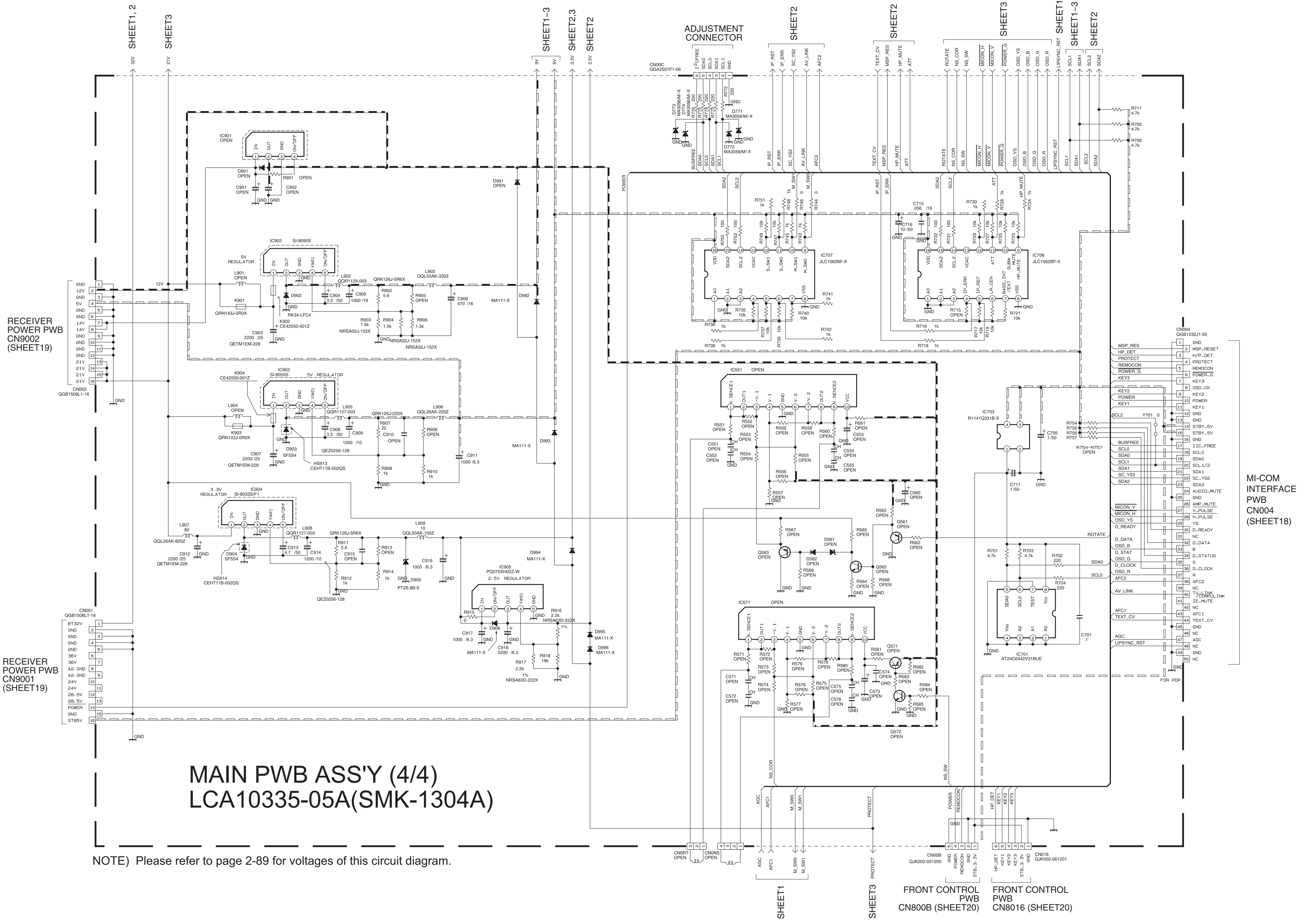
MAIN PWB ASS'Y (3/4)
LCA10335-05A
(SMK-1304A)



CN003
ABL
PROTECT
NC
NC
DEF_HP
H_SYNC
V_SYNC
EHT(DC)
DEF_VP
NECK
OSD_VD
NC
GND
SDA1
GND
SCL1
OPEN
IC401 OPEN
IC402 SN74HC14NS-X
IC301 OPEN
IC331 OPEN
D421 MA8150/M/-X
D422 MA111-X
R421 2.2k
R422 10k
C421 0.001
C407 1000 /6.3
VMOFF
RGB_BLK
P_MUTE
RGB_H
CN00E
GND
Rout
GND
Bout
GND
Gout
GND
VM_OUT
GND
GND
OPEN
9V
3.3V
ROTATE
NS_COR
NS_SW
5V
YW
RYW
BYW
MICON_H
MICON_V
SCL1
SDA1
21V
POWER_G
PROTECT
H_SYNC
V_SYNC
BLKAREA
VMOFF
OSD_YS
OSD_B
OSD_G
OSD_R
VM
SHEET4
SHEET4
SHEET4
SHEET2
SHEET4
SHEET4
SHEET2
SHEET4
SHEET4
SHEET2

NOTE) Please refer to page 2-89 for voltages of this circuit diagram.

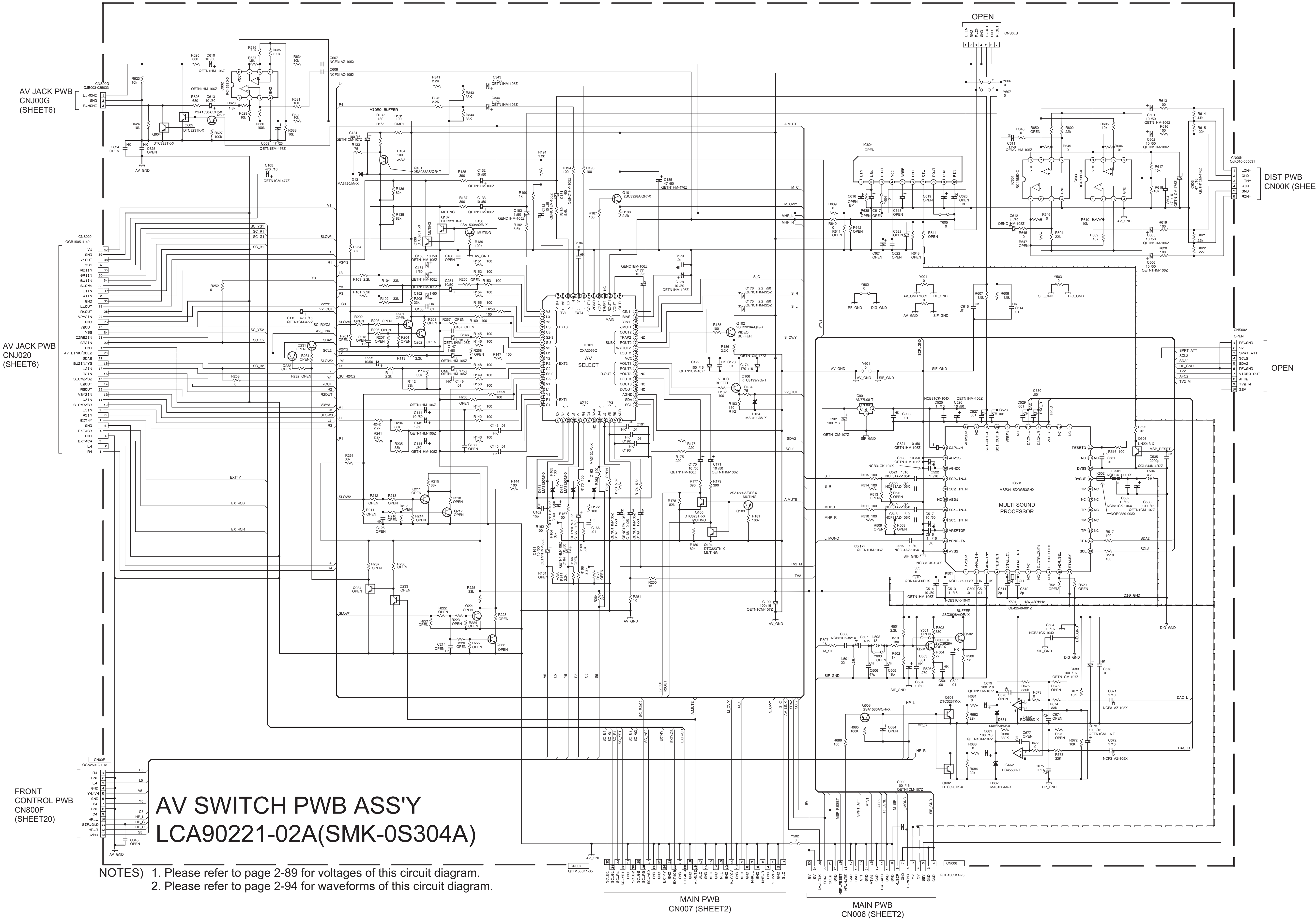
MAIN PWB CIRCUIT DIAGRAM (4/4) SHEET4


SHEET1, 2
SHEET3
SHEET1~3
SHEET2,3
SHEET2
ADJUSTMENT CONNECTOR
CN00C
QGA2501F1-06
SHEET2
SHEET2
SHEET3
SHEET1
SHEET1~3
SHEET2
32V
21V
9V
5V
3.3V
2.5V
BUSFREE
SDA0
SCL0
SDA1
SCL1
GND
IP_RST
IP_ERR
SC_YS2
AV_LINK
AFC2
TEXT_CV
MSP_RES
HP_MUTE
ATT
ROTATE
NS_COR
NS_SW
MICON_H
MICON_V
POWER_G
OSD_YS
OSD_B
OSD_G
OSD_R
LIPSYNC_RST
SCL1
SDA1
SCL2
SDA2
D773 MA3056/M/-X
D774 MA3056/M/-X
R772 220
D771 MA3056/M/-X
D772 MA3056/M/-X
R711 4.7k
R705 4.7k
R706 4.7k
POWER
IC901 OPEN
D901 OPEN
R901 OPEN
C901 OPEN
C902 OPEN
D991 OPEN
IC902 SI-8090S
9V REGULATOR
L901 OPEN
K901
QRN143J-0R0X
L902 QQR1129-003
QRK126J-5R6X
L903 QQL50AK-330Z
R902 5.6
R905 OPEN
C904 3.3 /50
C905 1000 /16
C906 470 /16
D902
RK34-LFC4
K902 CE42050-001Z
C903 2200 /25
QETM1EM-228
R903 1.5k
R904 1.5k
R906 1.5k
NRSA02J-152X
MA111-X
D992
IC707 JLC1562BF-X
IC706 JLC1562BF-X
R751 1k
R748 1k
R746 0
R744 0
R741 1k
R735 10k
R740 10k
R736 1k
R737 10k
R739 10k
R742 1k
R738 1k
C715 .056 /16
C716 10 /50
R730 1k
R728 1k
R724 1k
R715 OPEN
R721 10k
R716 1k
R717 10k
R719 10k
R718 1k
RECEIVER POWER PWB CN9002 (SHEET19)
CN002 QGB1506L1-16
GND
12V
5V
14V
21V
K904 CE42050-001Z
IC903 SI-8050S
5V REGULATOR
L904 OPEN
K903 QRN143J-0R0X
L905 QQR1127-003
QRK126J-220X
L906 QQL26AK-220Z
R907 22
C908 3.3 /50
C909 1200 /10
C910 OPEN
R909 OPEN
C911 1000 /6.3
D903 SF5S4
HS913 CEHT11B-002QS
QEZ0256-128
C907 2200 /25
QETM1EM-228
R908 1k
R910 1k
MA111-X
D993
IC551 OPEN
R551 OPEN
R552 OPEN
R553 OPEN
R554 OPEN
R555 OPEN
R556 OPEN
R557 OPEN
R558 OPEN
R559 OPEN
R560 OPEN
R561 OPEN
C551 OPEN
C552 OPEN
C553 OPEN
C554 OPEN
C555 OPEN
C560 OPEN
IC703 R1141Q331B-X
C705 1/50
C711 1/50
R754~R757 OPEN
Y701 0
CN004 QGB1232J1-50
MI-COM INTERFACE PWB CN004 (SHEET18)
MSP_RESET
H/P_DET
PROTECT
REMOCON
POWER_G
KEY3
OSD_CK
KEY2
KEY1
STBY_5V
IIC_FREE
SCL1/2
AUDIO_MUTE
AMP_MUTE
V_PULSE
H_PULSE
YS
D_READY
NC
D_DATA
B
D_STATUS
G
D_CLOCK
R
AFC2
TV_LINK/COMPULINK
IE_MUTE
AFC1
TEXT_CV
AGC
FOR PDP
3.3V REGULATOR
IC904 SI-8033S/F1
L907 82
QQL26AK-820Z
L908 QQR1127-003
QRK126J-5R6X
L909 10 QQL50AK-100Z
C912 2200 /25
QETM1EM-228
D904 SF5S4
HS914 CEHT11B-002QS
C913 4.7 /50
C914 1200 /10
R911 5.6
C915 OPEN
R913 OPEN
R912 1k
R914 1k
D905 PTZ6.8B-X
C916 1000 /6.3
QEZ0256-128
D994 MA111-X
IC905 PQ070XH02Z-W
2.5V REGULATOR
R915 0
R916 2.2k
NRSA63D-222X
D906
C917 1000 /6.3
C918 2200 /6.3
R917 2.2k 1%
R918 18k
NRSA63D-222X
D995 MA111-X
D996 MA111-X
R563 OPEN
Q561 OPEN
R567 OPEN
R565 OPEN
D561 OPEN
Q563 OPEN
D562 OPEN
R566 OPEN
Q562 OPEN
R564 OPEN
R568 OPEN
R562 OPEN
ROTATE
R701 4.7k
R703 4.7k
R702 220
R704 220
SDA0
SCL0
IC701 AT24C6442V31BUE
C701 .1
IC571 OPEN
R571 OPEN
R572 OPEN
R573 OPEN
R574 OPEN
R575 OPEN
R576 OPEN
R577 OPEN
R578 OPEN
R579 OPEN
R580 OPEN
R581 OPEN
R582 OPEN
R583 OPEN
R584 OPEN
R585 OPEN
C571 OPEN
C572 OPEN
C573 OPEN
C574 OPEN
C575 OPEN
C576 OPEN
Q571 OPEN
Q572 OPEN
CN001 QGB1506L1-16
RECEIVER POWER PWB CN9001 (SHEET19)
BT32V
36V
A2.GND
24V
28.5V
POWER
STB5V
NS_COR
NS_SW
AGC
AFC1
M_SW0
M_SW1
PROTECT
REMOCON
HP_DET
KEY1
KEY2
KEY3
STB_3.3V
CN0RT OPEN
CN0NS OPEN
CN00B QJK002-051200
CN016 QJK002-061201
SHEET1
SHEET3
FRONT CONTROL PWB CN800B (SHEET20)
FRONT CONTROL PWB CN8016 (SHEET20)

MAIN PWB ASS'Y (4/4)
LCA10335-05A(SMK-1304A)

NOTE) Please refer to page 2-89 for voltages of this circuit diagram.

AV SWITCH PWB CIRCUIT DIAGRAM SHEET5

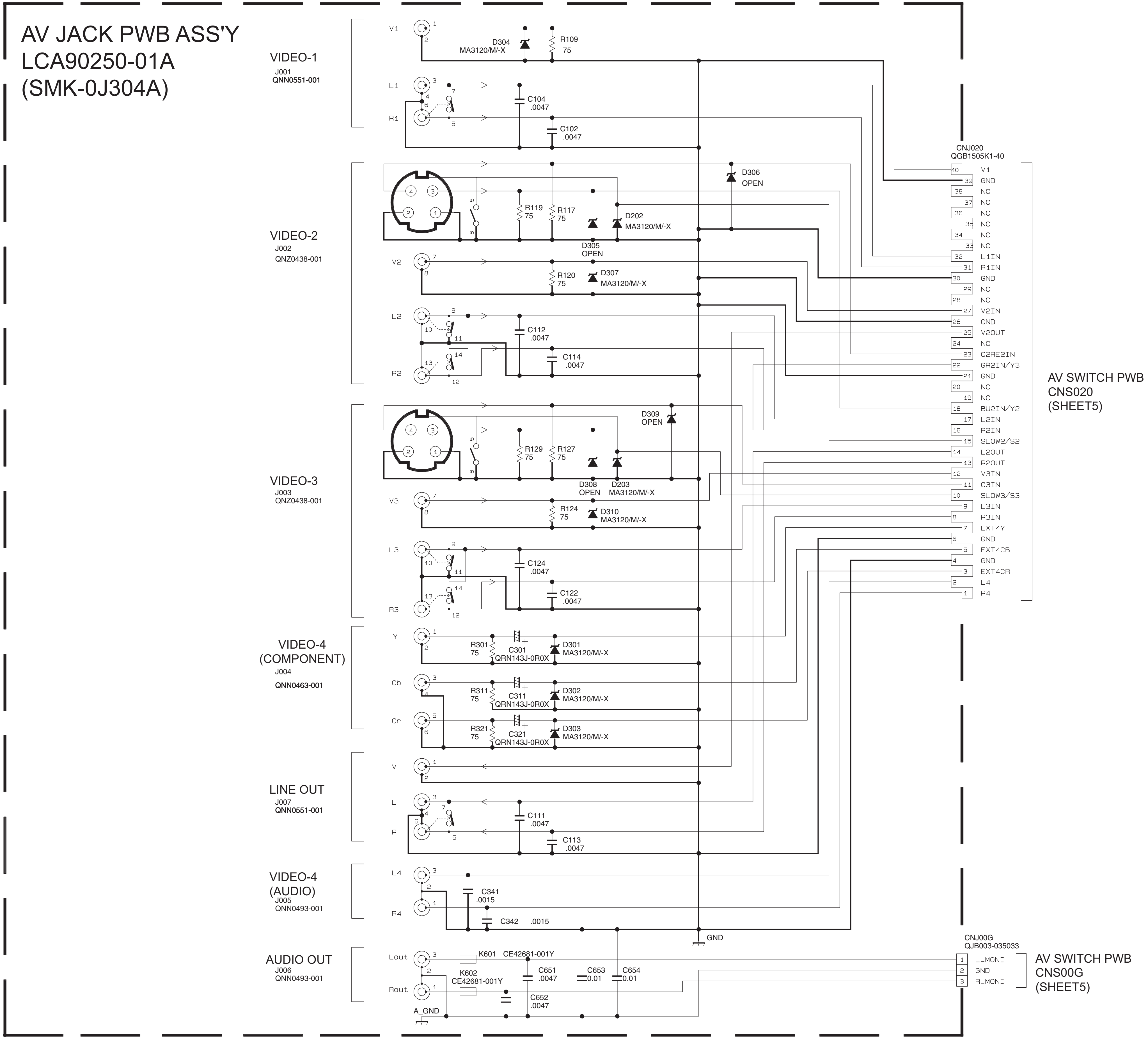


AV JACK PWB
CNJ00G
(SHEET6)
AV JACK PWB
CNJ020
(SHEET6)
FRONT
CONTROL PWB
CN800F
(SHEET20)
OPEN
DIST PWB
CN00K (SHEET16)
OPEN
IC101
CXA2069Q
AV
SELECT
IC501
MSP3415DQGB3GHX
MULTI SOUND
PROCESSOR
VIDEO BUFFER
MUTING
MAIN PWB
CN007 (SHEET2)
MAIN PWB
CN006 (SHEET2)

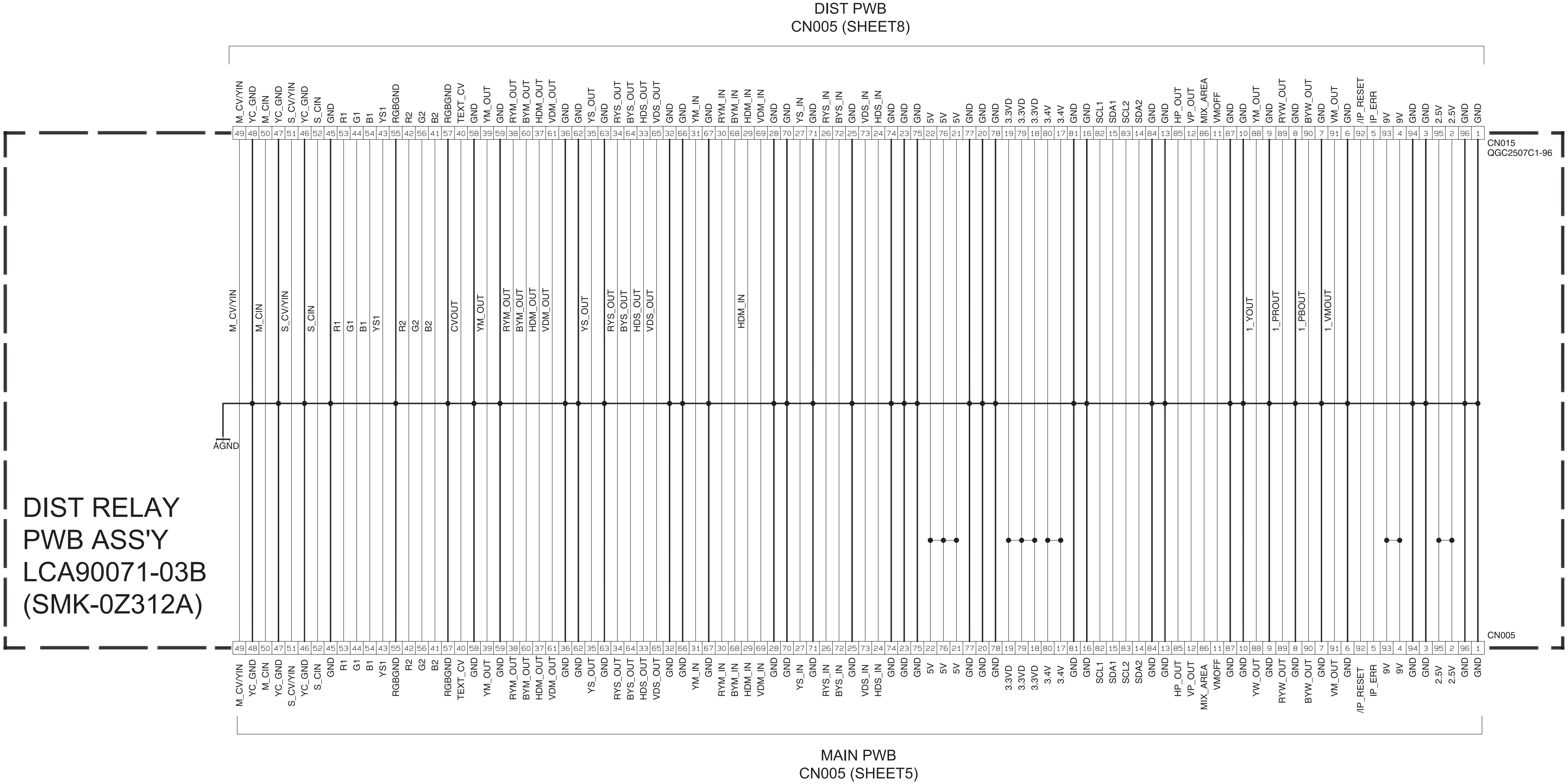
AV SWITCH PWB ASS'Y
LCA90221-02A(SMK-0S304A)

NOTES) 1. Please refer to page 2-89 for voltages of this circuit diagram.
2. Please refer to page 2-94 for waveforms of this circuit diagram.

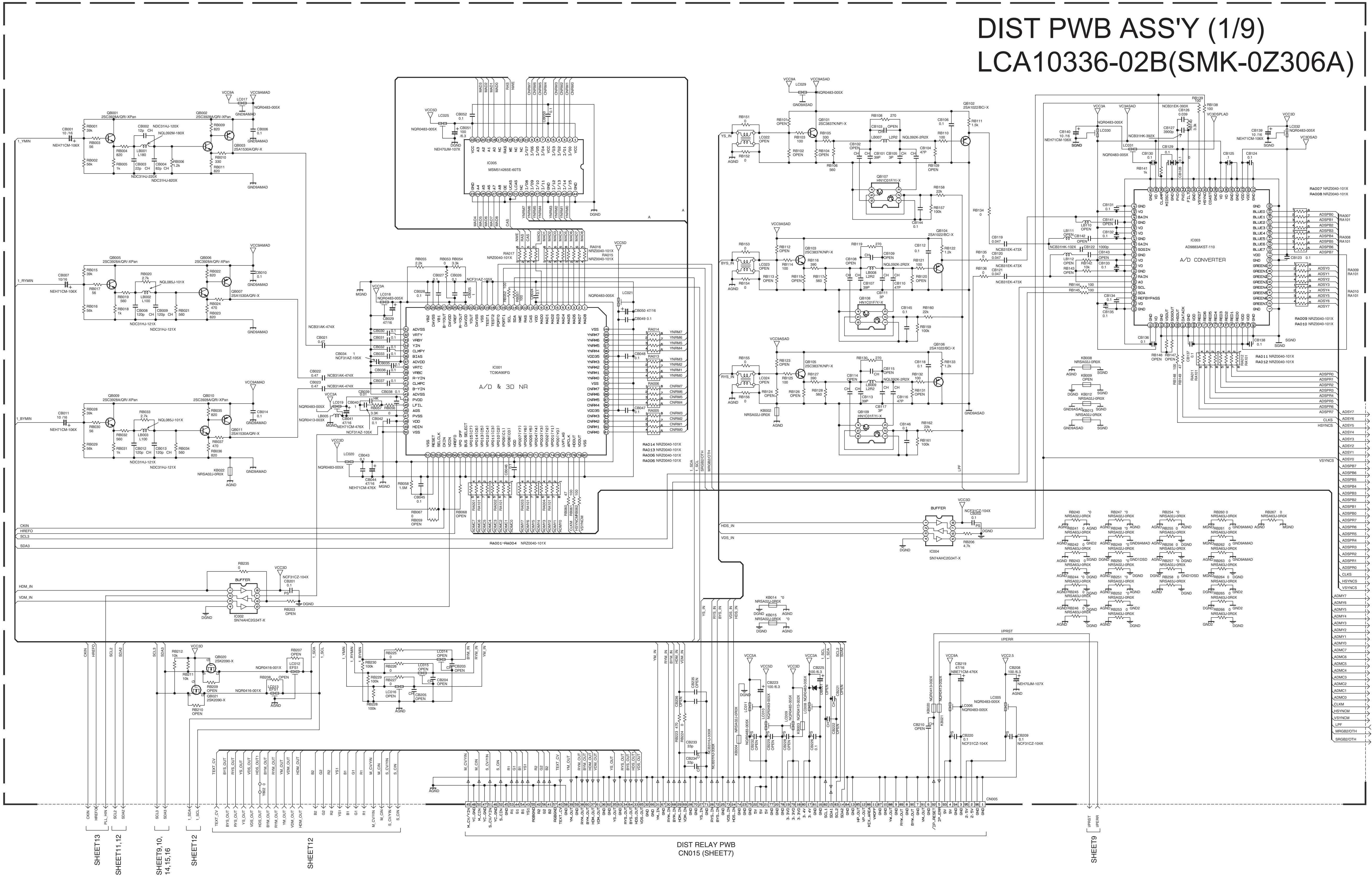
AV JACK PWB CIRCUIT DIAGRAM SHEET6



AV JACK PWB ASS'Y
LCA90250-01A
(SMK-0J304A)
VIDEO-1
J001
QNN0551-001
V1
L1
R1
D304
MA3120/M/-X
R109
75
C104
.0047
C102
.0047
VIDEO-2
J002
QNZ0438-001
V2
L2
R2
R119
75
R117
75
D305
OPEN
D202
MA3120/M/-X
D306
OPEN
R120
75
D307
MA3120/M/-X
C112
.0047
C114
.0047
VIDEO-3
J003
QNZ0438-001
V3
L3
R3
D309
OPEN
R129
75
R127
75
D308
OPEN
D203
MA3120/M/-X
R124
75
D310
MA3120/M/-X
C124
.0047
C122
.0047
VIDEO-4
(COMPONENT)
J004
QNN0463-001
Y
Cb
Cr
R301
75
C301
QRN143J-0R0X
D301
MA3120/M/-X
R311
75
C311
QRN143J-0R0X
D302
MA3120/M/-X
R321
75
C321
QRN143J-0R0X
D303
MA3120/M/-X
LINE OUT
J007
QNN0551-001
V
L
R
C111
.0047
C113
.0047
VIDEO-4
(AUDIO)
J005
QNN0493-001
L4
R4
C341
.0015
C342
.0015
GND
AUDIO OUT
J006
QNN0493-001
Lout
Rout
A_GND
K601
CE42681-001Y
K602
CE42681-001Y
C651
.0047
C652
.0047
C653
0.01
C654
0.01
CNJ020
QGB1505K1-40
40 V1
39 GND
38 NC
37 NC
36 NC
35 NC
34 NC
33 NC
32 L1IN
31 R1IN
30 GND
29 NC
28 NC
27 V2IN
26 GND
25 V2OUT
24 NC
23 C2RE2IN
22 GR2IN/Y3
21 GND
20 NC
19 NC
18 BU2IN/Y2
17 L2IN
16 R2IN
15 SLOW2/S2
14 L2OUT
13 R2OUT
12 V3IN
11 C3IN
10 SLOW3/S3
9 L3IN
8 R3IN
7 EXT4Y
6 GND
5 EXT4CB
4 GND
3 EXT4CR
2 L4
1 R4
AV SWITCH PWB
CNS020
(SHEET5)
CNJ00G
QJB003-035033
1 L_MONI
2 GND
3 R_MONI
AV SWITCH PWB
CNS00G
(SHEET5)

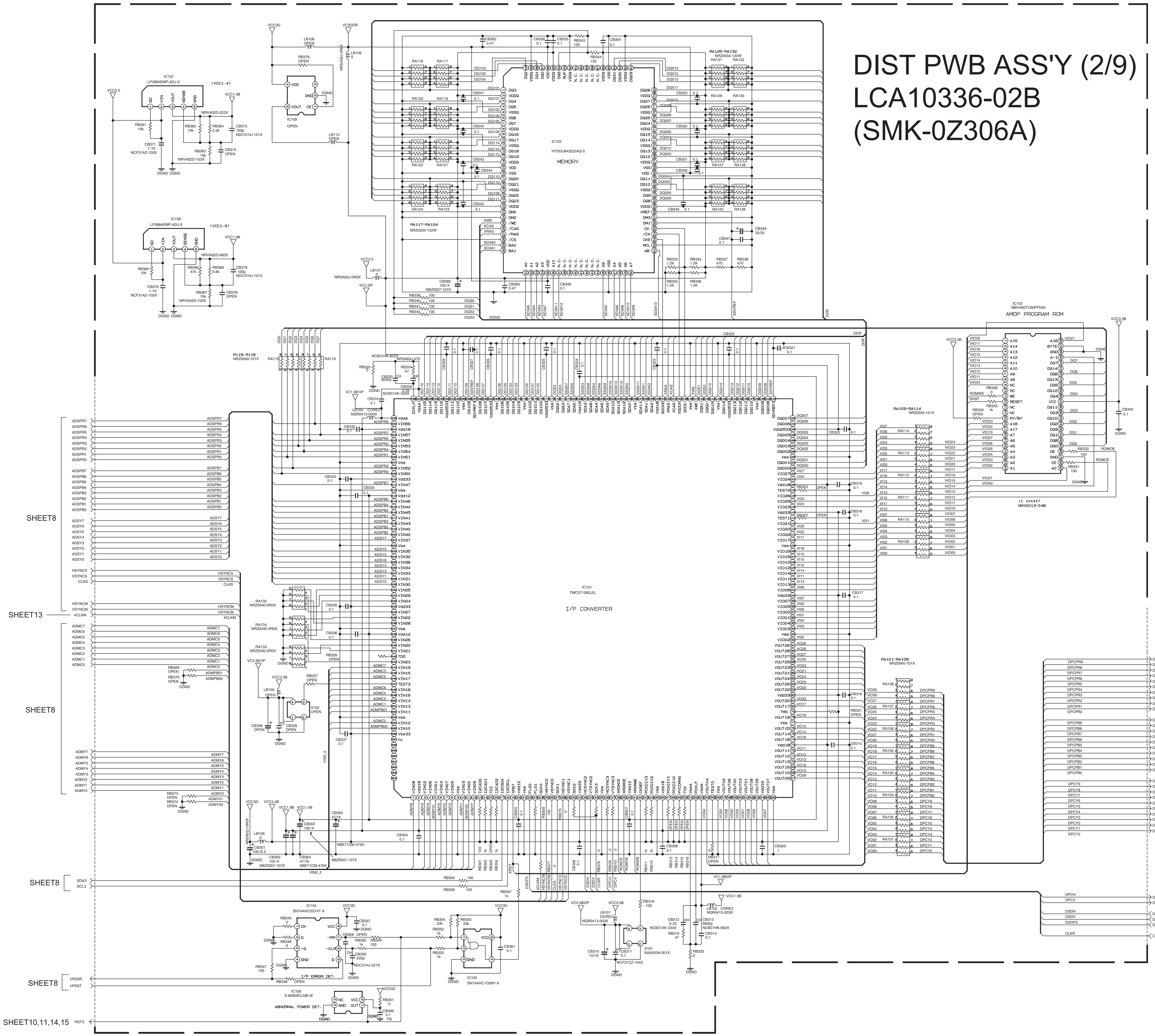

DIST PWB
CN005 (SHEET8)
CN015
QGC2507C1-96
M_CV/YIN
M_CIN
S_CV/YIN
S_CIN
R1
G1
B1
YS1
R2
G2
B2
CVOUT
YM_OUT
RYM_OUT
BYM_OUT
HDM_OUT
VDM_OUT
YS_OUT
RYS_OUT
BYS_OUT
HDS_OUT
VDS_OUT
HDM_IN
1_YOUT
1_PROUT
1_PBOUT
1_VMOUT
AGND
DIST RELAY
PWB ASS'Y
LCA90071-03B
(SMK-0Z312A)
CN005
M_CV/YIN 49, YC_GND 48, M_CIN 50, YC_GND 47, S_CV/YIN 51, YC_GND 46, S_CIN 52, GND 45, R1 53, G1 44, B1 54, YS1 43, RGBGND 55, R2 42, G2 56, B2 41, RGBGND 57, TEXT_CV 40, GND 58, YM_OUT 39, GND 59, RYM_OUT 38, BYM_OUT 60, HDM_OUT 37, VDM_OUT 61, GND 36, GND 62, YS_OUT 35, GND 63, RYS_OUT 34, BYS_OUT 64, HDS_OUT 33, VDS_OUT 65, GND 32, GND 66, YM_IN 31, GND 67, RYM_IN 30, BYM_IN 68, HDM_IN 29, VDM_IN 69, GND 28, GND 70, YS_IN 27, GND 71, RYS_IN 26, BYS_IN 72, GND 25, VDS_IN 73, HDS_IN 24, GND 74, GND 23, GND 75, 5V 22, 5V 76, 5V 21, GND 77, GND 20, GND 78, 3.3VD 19, 3.3VD 79, 3.3VD 18, 3.4V 80, 3.4V 17, GND 81, GND 16, SCL1 82, SDA1 15, SCL2 83, SDA2 14, GND 84, GND 13, HP_OUT 85, VP_OUT 12, MIX_AREA 86, VMOFF 11, GND 87, GND 10, YM_OUT 88, GND 9, RYW_OUT 89, GND 8, BYW_OUT 90, GND 7, VM_OUT 91, GND 6, /IP_RESET 92, IP_ERR 5, 9V 93, 9V 4, GND 94, GND 3, 2.5V 95, 2.5V 2, GND 96, GND 1
YW_OUT 88
MAIN PWB
CN005 (SHEET5)

DIST PWB ASS'Y (1/9)
LCA10336-02B(SMK-0Z306A)


IC005 MSM514265E-60TS
IC001 TC90A90FG
A/D & 3D NR
IC003 AD9883AKST-110
A/D CONVERTER
IC002 SN74AHC2G34T-X
BUFFER
IC004 SN74AHC2G34T-X
BUFFER
QB001 2SC3928A/QR/-XPan
QB002 2SC3928A/QR/-XPan
QB003 2SA1530A/QR/-X
QB005 2SC3928A/QR/-XPan
QB006 2SC3928A/QR/-XPan
QB007 2SA1530A/QR/-X
QB009 2SC3928A/QR/-XPan
QB010 2SC3928A/QR/-XPan
QB011 2SA1530A/QR/-X
QB020 2SK2090-X
QB021 2SK2090-X
QB101 2SC3837K/NP/-X
QB102 2SA1022/BC/-X
QB103 2SC3837K/NP/-X
QB104 2SA1022/BC/-X
QB105 2SC3837K/NP/-X
QB106 2SA1022/BC/-X
QB107 HN1C01F/Y/-X
QB108 HN1C01F/Y/-X
QB109 HN1C01F/Y/-X
1_YMIN
1_RYMIN
1_BYMIN
YS_IN
RYS_IN
BYS_IN
CKIN
HREFO
SCL3
SDA3
HDM_IN
VDM_IN
HDS_IN
VDS_IN
LPF
VPRST
VPERR
CN005
DIST RELAY PWB
CN015 (SHEET7)
SHEET9
SHEET9,13
SHEET13
SHEET9,10
SHEET10
SHEET12
SHEET11,12
SHEET9,10, 14,15,16
RA001~RA004 NRZ0040-101X

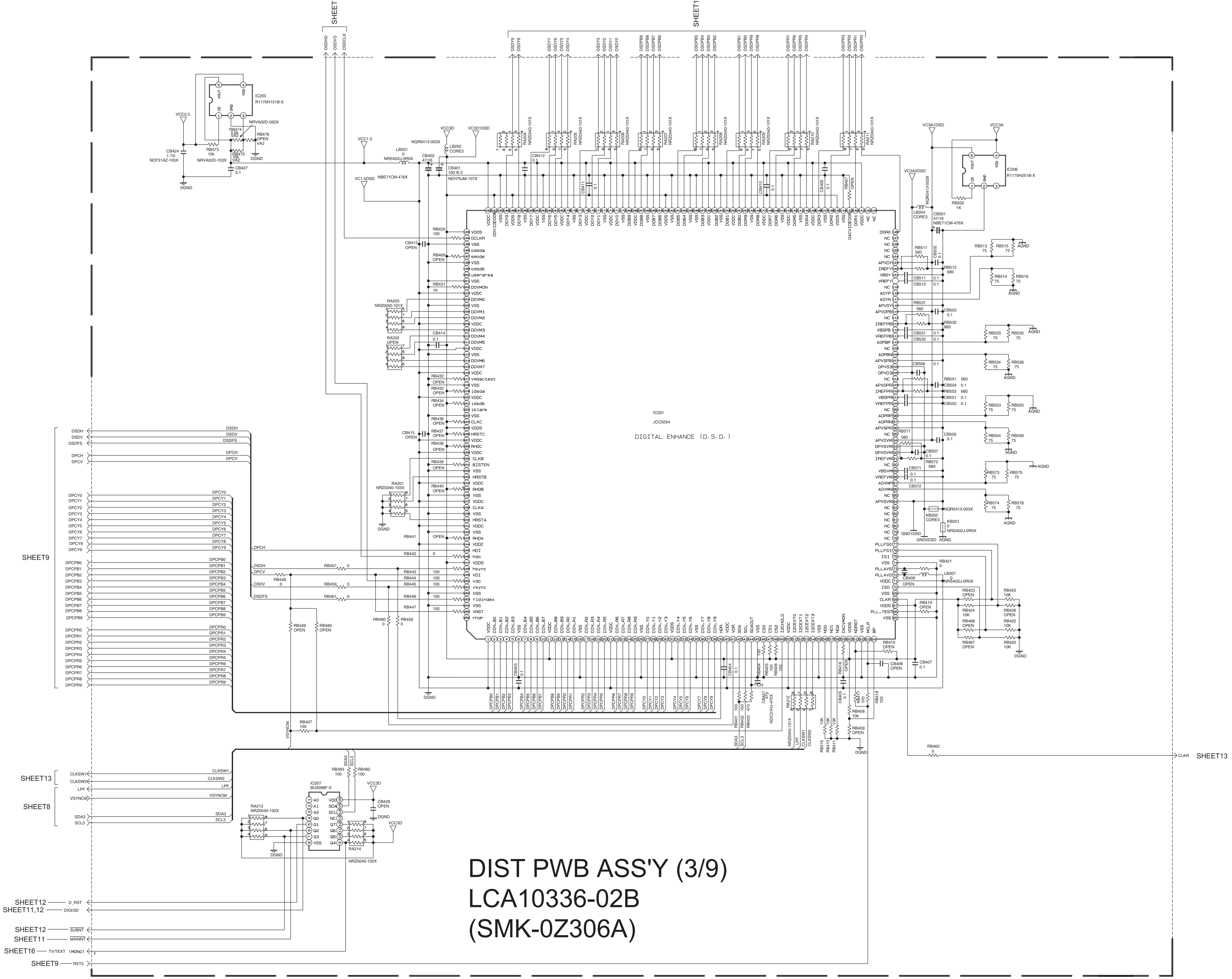
NOTES) 1. Please refer to page 2-89 for voltages of this circuit diagram.
2. Please refer to page 2-94 for waveforms of this circuit diagram.

DIST PWB CIRCUIT DIAGRAM (2/9) SHEET9


DIST PWB ASS'Y (2/9)
LCA10336-02B
(SMK-0Z306A)
IC107
LP3964EMP-ADJ-X
(VCC1.4)
IC108
LP3964EMP-ADJ-X
(VCC1.9)
IC109
OPEN
IC102
HY5DU643222AQ-5
MEMORY
RA117-RA124
NRZ0034-122W
RA125-RA132
NRZ0034-122W
IC101
TMC57108JUG
I/P CONVERTER
IC103
MBV400TC90PFN34
AMDP PROGRAM ROM
IC SOCKET
NNV0013-04B
RA109-RA114
NRZ0040-101X
RA101-RA108
NRZ0040-101X
R115-R116
NRZ0040-101X
IC104
SN74AHC2G74T-X
I/F ERROR DET.
IC105
SN74AHC1G08V-X
IC106
S-80828CLNB-W
ABNORMAL POWER DET.
X101
NAX0539-001X
X102
OPEN
SHEET8
SHEET13
SHEET8
SHEET8
SHEET8
SHEET10,11,14,15
SHEET10
SHEET13

NOTE) Please refer to page 2-90 for voltages of this circuit diagram.

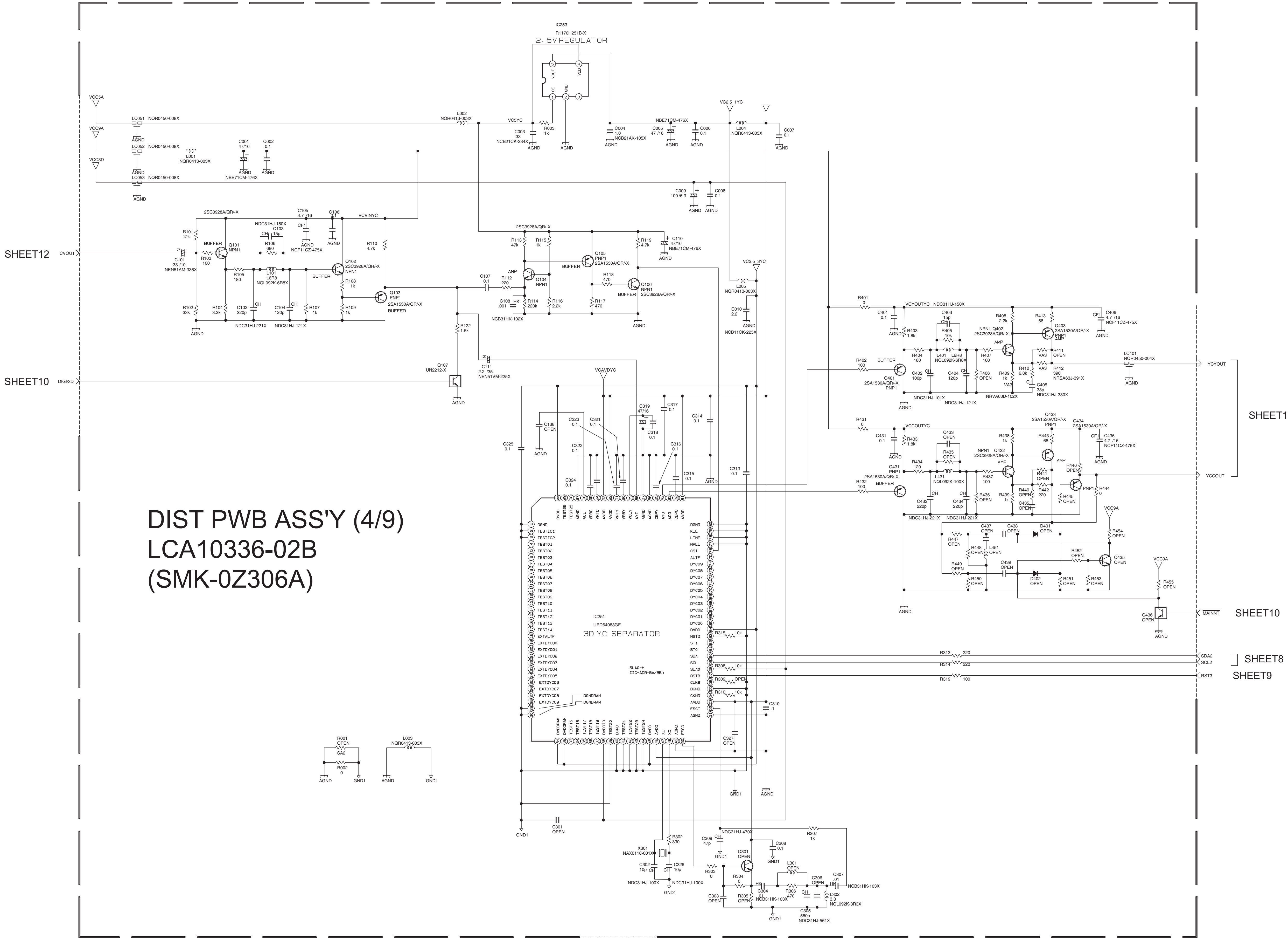
DIST PWB CIRCUIT DIAGRAM (3/9) SHEET10


SHEET14,16
SHEET14
DSDHD
DSDVD
DSDCLK
IC203
R1170H151B-X
IC206
R1170H251B-X
IC201
JCC5054
DIGITAL ENHANCE (D.S.D.)
IC207
BU2098F-X
VCC2.5
VCC1.5
VC1.5DSD
VCC3D
VC3D1DSD
VC3A1DSD
VCC3A
VC3A2DSD
DGND
AGND
LB201
LB202
CORE3
LB204
LB207
KB201
KB202
RA203
RA202
RA201
RA213
RA214
SHEET9
SHEET13
SHEET8
SHEET12
SHEET11,12
SHEET11
SHEET16
CLKR
DSDH
DSDV
DSDFS
DPCH
DPCV
CLKSW1
CLKSW2
LPF
VSYNCM
SDA3
SCL3
D_RST
DIGI/3D
SUBNT
MAINT
TV/TEXT (MONO)
RST3

DIST PWB ASS'Y (3/9)
LCA10336-02B
(SMK-0Z306A)

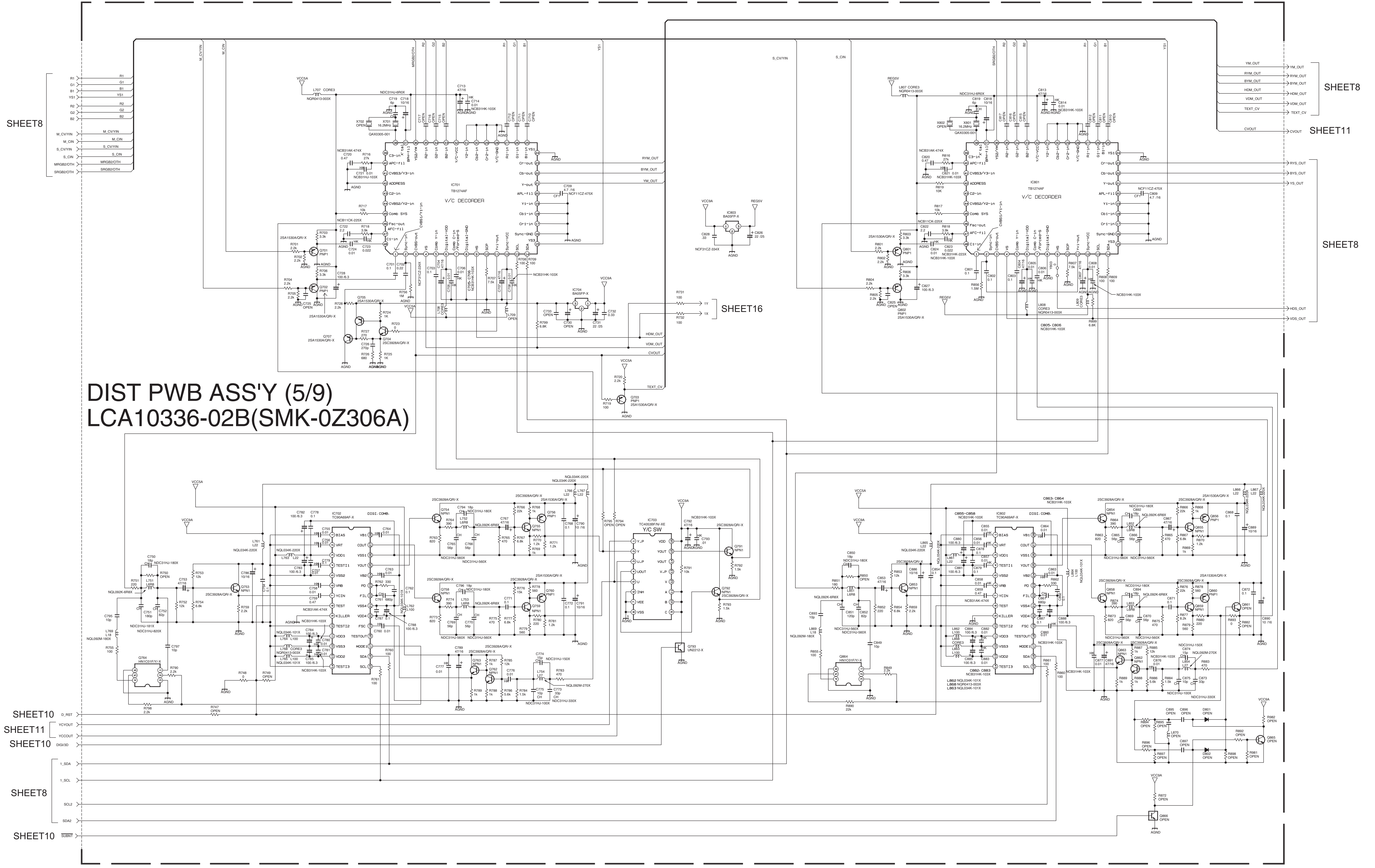
NOTE) Please refer to page 2-90 for voltages of this circuit diagram

DIST PWB CIRCUIT DIAGRAM (4/9) SHEET11


DIST PWB ASS'Y (4/9)
LCA10336-02B
(SMK-0Z306A)
IC253
R1170H251B-X
2.5V REGULATOR
IC251
UPD64083GF
3D YC SEPARATOR
SHEET12
CVOUT
SHEET10
DIGI/3D
YCYOUT
YCCOUT
SHEET12
MAINNT
SHEET10
SDA2
SCL2
SHEET8
RST3
SHEET9
VCC5A
VCC9A
VCC3D
VCVINYC
VCAVDYC
VCYOUTYC
VCCOUTYC
BUFFER
AMP
AGND
GND1

NOTE) Please refer to page 2-90 for voltages of this circuit diagram.

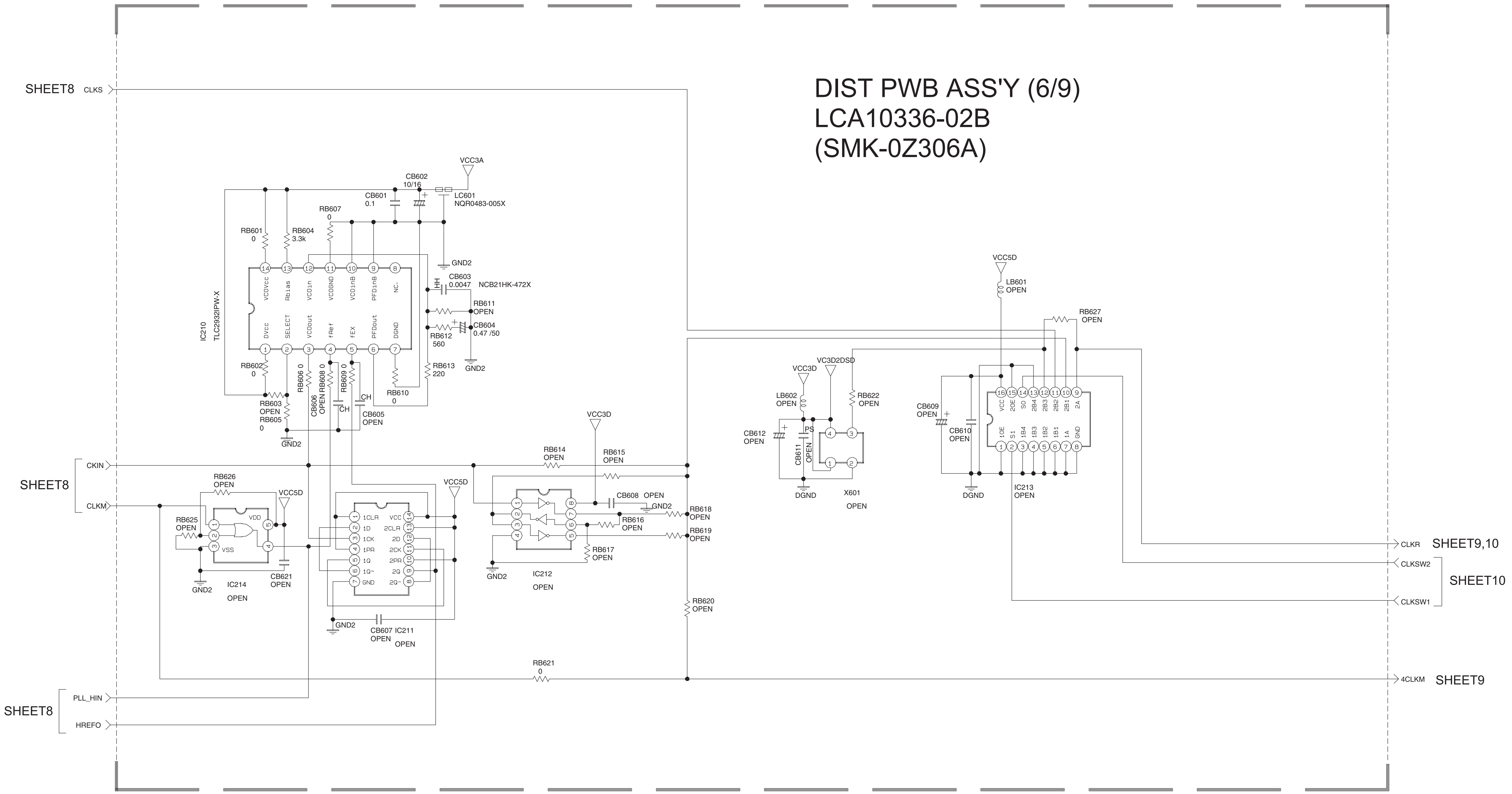
DIST PWB CIRCUIT DIAGRAM (5/9) SHEET12


SHEET8
SHEET11
SHEET16
SHEET10
R1
G1
B1
YS1
R2
G2
B2
M_CV/YIN
M_CIN
S_CV/YIN
S_CIN
MRGB2/OTH
SRGB2/OTH
YM_OUT
RYM_OUT
BYM_OUT
HDM_OUT
VDM_OUT
TEXT_CV
CVOUT
RYS_OUT
BYS_OUT
YS_OUT
HDS_OUT
VDS_OUT
1Y
1X
IC701
TB1274AF
V/C DECORDER
IC801
TB1274AF
V/C DECORDER
IC702
TC90A69AF-X
DIGI. COMB.
IC802
TC90A69AF-X
DIGI. COMB.
IC703
TC4053BF/N-XE
Y/C SW
IC704
BA05FP-X
IC803
BA05FP-X
VCC5A
VCC9A
REG5V
AGND
D_RST
YCOUT
YCCOUT
DIGI/3D
1_SDA
1_SCL
SCL2
SDA2
SUBINT

DIST PWB ASS'Y (5/9)
LCA10336-02B(SMK-0Z306A)

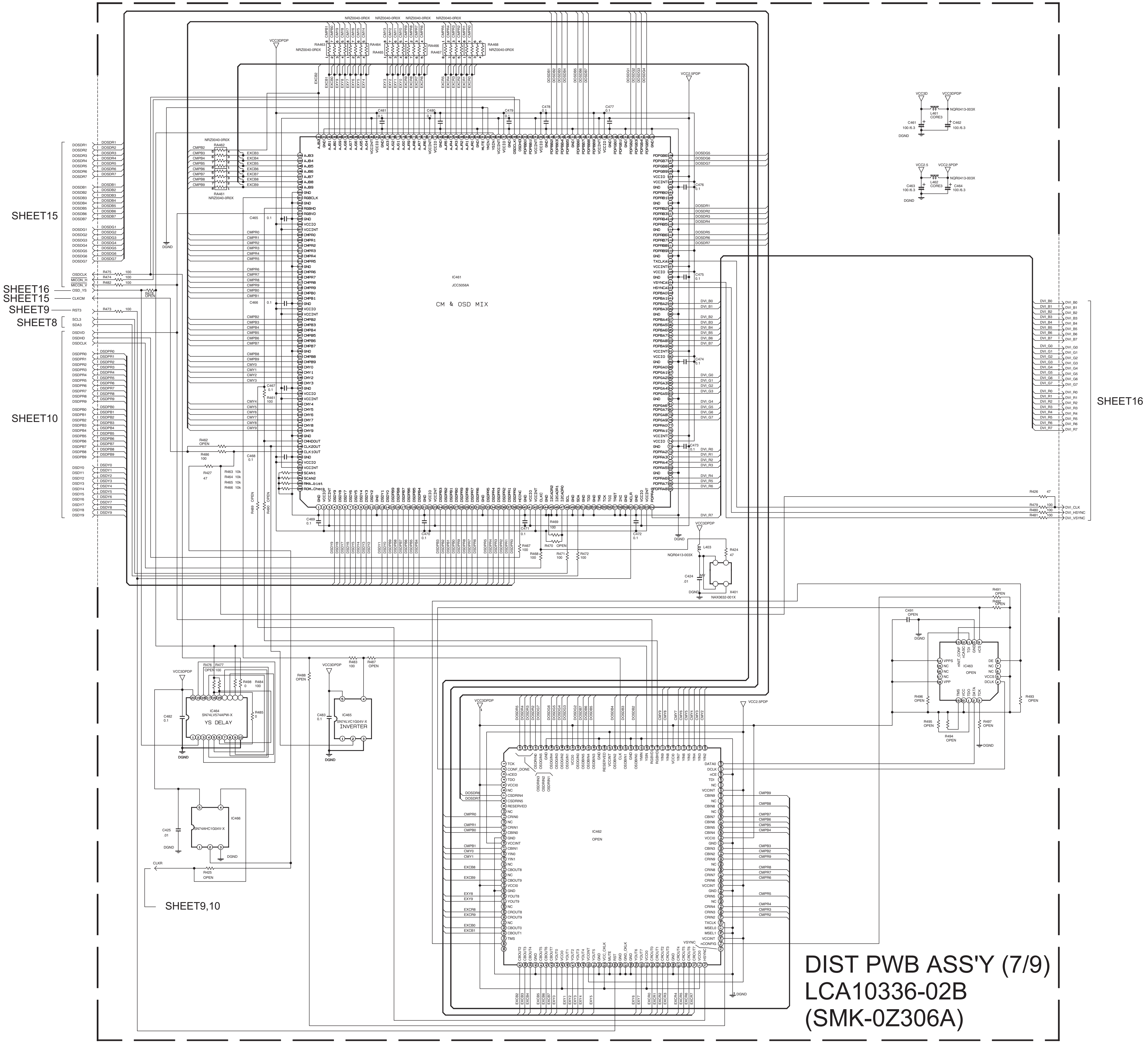
NOTES) 1. Please refer to page 2-90 for voltages of this circuit diagram.
2. Please refer to page 2-94 for waveforms of this circuit diagram.

DIST PWB CIRCUIT DIAGRAM (6/9) SHEET13


DIST PWB ASS'Y (6/9)
LCA10336-02B
(SMK-0Z306A)
SHEET8 CLKS
SHEET8 CKIN CLKM
SHEET8 PLL_HIN HREFO
CLKR SHEET9,10
CLKSW2 CLKSW1 SHEET10
4CLKM SHEET9
VCC3A
CB602 10/16
CB601 0.1
LC601 NQR0483-005X
RB607 0
RB601 0
RB604 3.3k
GND2
CB603 0.0047 NCB21HK-472X
RB611 OPEN
CB604 0.47 /50
RB612 560
RB613 220
IC210 TLC2932IPW-X
VCOVcc Rbias VCOin VCOGND VCOinB PFDinB NC
DVcc SELECT VCOout fRef fEX PFDout DGND
RB602 0
RB606 0
RB608 0
RB609 0
RB610 0
RB603 OPEN
RB605 0
CB606 OPEN
CH
CB605 OPEN
RB614 OPEN
RB615 OPEN
VCC3D
RB626 OPEN
VCC5D
RB625 OPEN
VDD VSS
IC214 OPEN
CB621 OPEN
1CLR 1D 1CK 1PR 1Q 1Q~ GND
VCC 2CLR 2D 2CK 2PR 2Q 2Q~
CB607 OPEN
IC211 OPEN
CB608 OPEN
RB616 OPEN
RB617 OPEN
IC212 OPEN
RB618 OPEN
RB619 OPEN
RB620 OPEN
RB621 0
VC3D2DSD
LB602 OPEN
RB622 OPEN
CB612 OPEN
CB611 OPEN
PS
X601 OPEN
DGND
LB601 OPEN
RB627 OPEN
CB609 OPEN
CB610 OPEN
VCC 2OE S0 2B4 2B3 2B2 2B1 2A
1OE S1 1B4 1B3 1B2 1B1 1A GND
IC213 OPEN

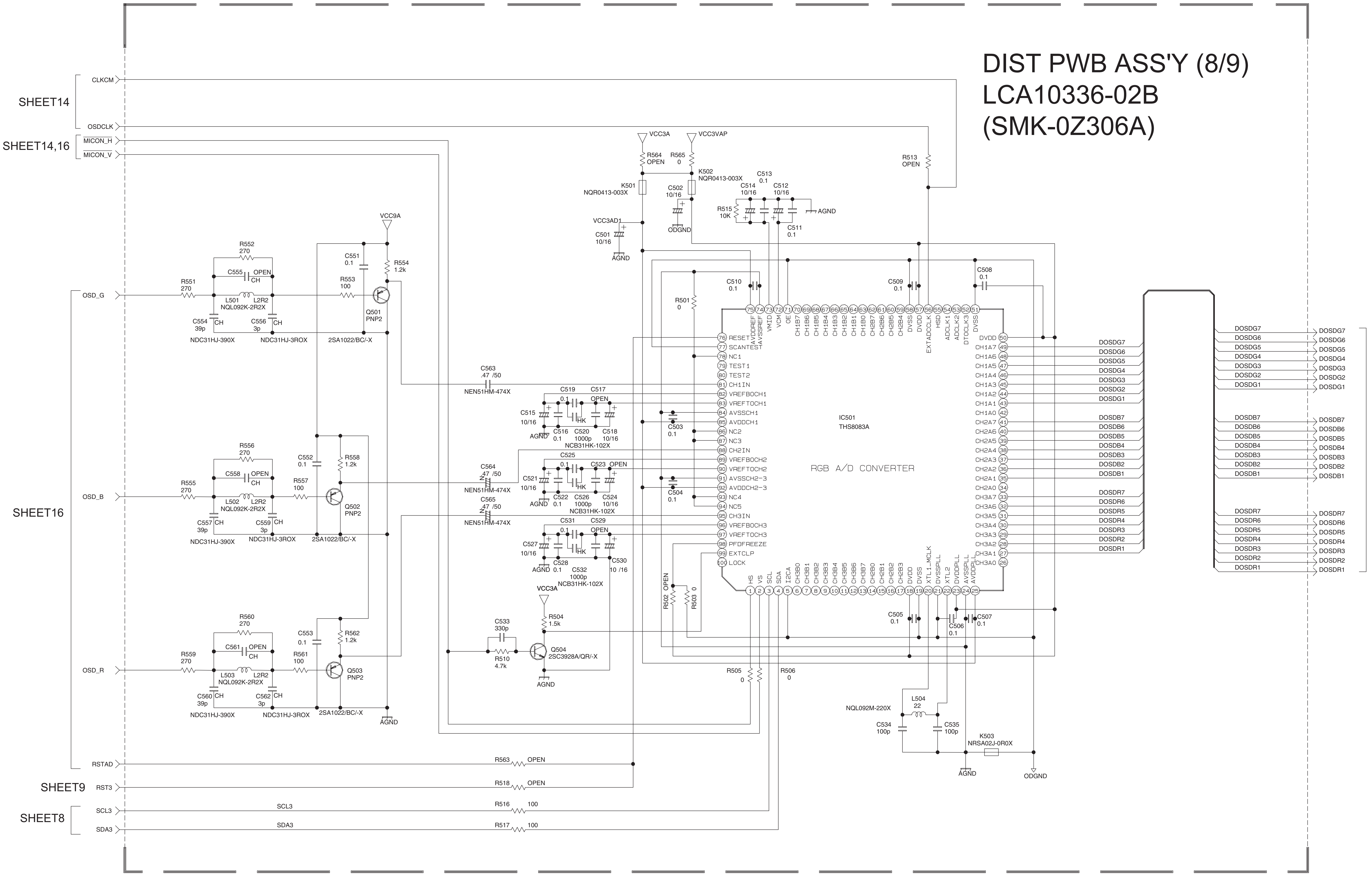
NOTE) Please refer to page 2-90 for voltages of this circuit diagram.

DIST PWB CIRCUIT DIAGRAM (7/9) SHEET14


SHEET15
SHEET16
SHEET15
SHEET9
SHEET8
SHEET10
SHEET16
IC461
JDC5056A
CM & OSD MIX
IC464
SN74LV574APW-X
YS DELAY
IC465
SN74LVC1G04V-X
INVERTER
SN74AHC1G04V-X
IC466
IC462
OPEN
IC463
OPEN
SHEET9,10
DIST PWB ASS'Y (7/9)
LCA10336-02B
(SMK-0Z306A)

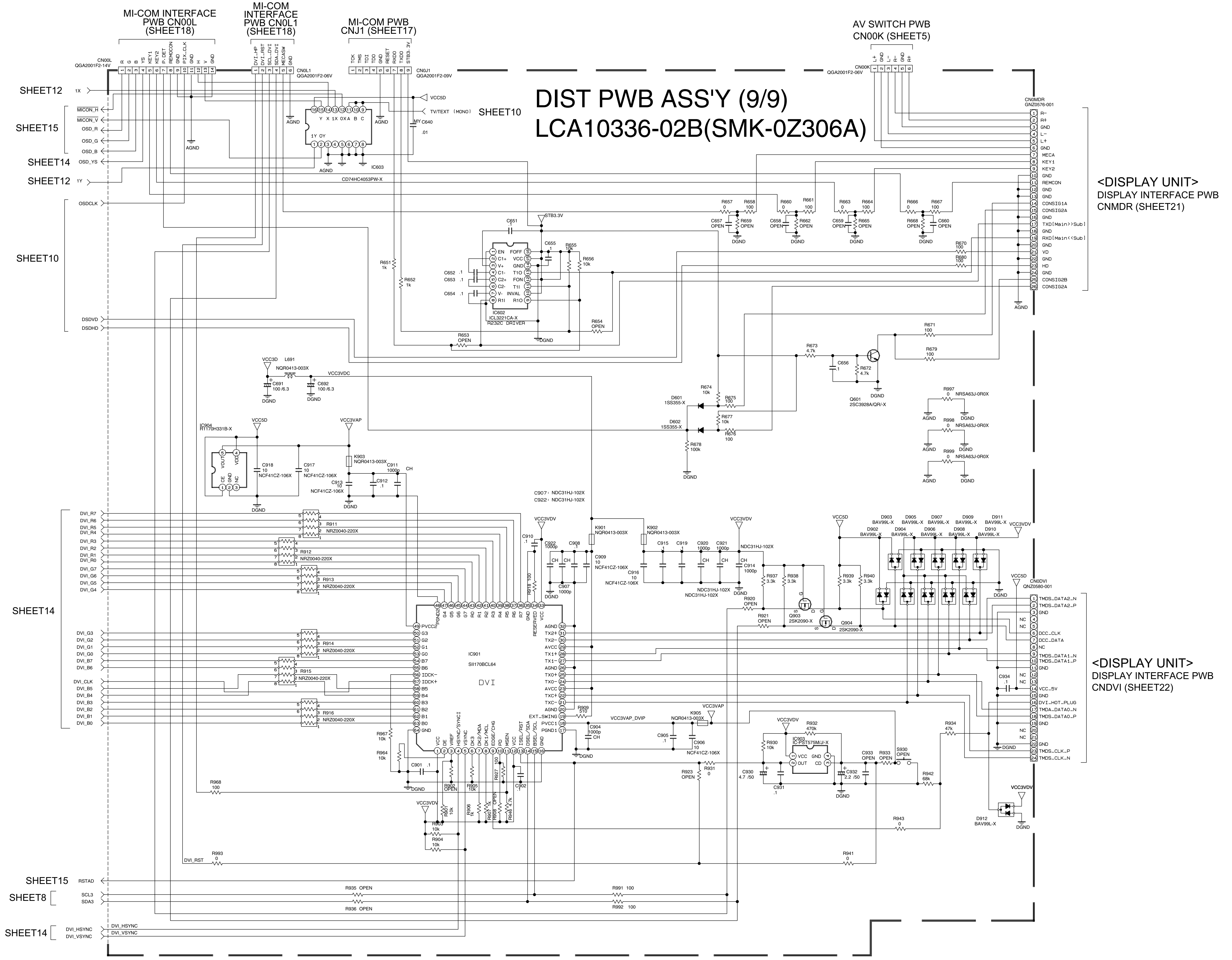
NOTE) Please refer to page 2-90 for voltages of this circuit diagram.

DIST PWB CIRCUIT DIAGRAM (8/9) SHEET15


DIST PWB ASS'Y (8/9)
LCA10336-02B
(SMK-0Z306A)
SHEET14
CLKCM
OSDCLK
SHEET14,16
MICON_H
MICON_V
SHEET16
OSD_G
OSD_B
OSD_R
RSTAD
SHEET9
RST3
SHEET8
SCL3
SDA3
VCC9A
R552 270
C555 OPEN CH
R551 270
L501 L2R2 NQL092K-2R2X
C554 39p CH
C556 3p CH
NDC31HJ-390X
NDC31HJ-3ROX
C551 0.1
R553 100
R554 1.2k
Q501 PNP2
2SA1022/BC/-X
R556 270
C558 OPEN CH
R555 270
L502 L2R2 NQL092K-2R2X
C557 39p CH
C559 3p CH
C552 0.1
R557 100
R558 1.2k
Q502 PNP2
R560 270
C561 OPEN CH
R559 270
L503 L2R2 NQL092K-2R2X
C560 39p CH
C562 3p CH
C553 0.1
R561 100
R562 1.2k
Q503 PNP2
AGND
C563 .47 /50
NEN51HM-474X
C564 .47 /50
C565 .47 /50
C519 0.1
C517 OPEN
C515 10/16
C516 0.1
C520 1000p
C518 10/16
HK
NCB31HK-102X
C525 0.1
C523 OPEN
C521 10/16
C522 0.1
C526 1000p
C524 10/16
C531 0.1
C529 OPEN
C527 10/16
C528 0.1
C532 1000p
C530 10 /16
VCC3A
R504 1.5k
C533 330p
R510 4.7k
Q504 2SC3928A/QR/-X
VCC3A
VCC3VAP
R564 OPEN
R565 0
K501 NQR0413-003X
K502 NQR0413-003X
C502 10/16
ODGND
VCC3AD1
C501 10/16
C513 0.1
C514 10/16
C512 10/16
R515 10K
C511 0.1
R513 OPEN
C510 0.1
C509 0.1
C508 0.1
R501 0
C503 0.1
C504 0.1
R502 OPEN
R503 0
C505 0.1
C506 0.1
C507 0.1
R505 0
R506 0
L504 22
NQL092M-220X
C534 100p
C535 100p
K503 NRSA02J-0R0X
IC501
THS8083A
RGB A/D CONVERTER
RESET
SCANTEST
NC1
TEST1
TEST2
CH1IN
VREFBOCH1
VREFTOCH1
AVSSCH1
AVDDCH1
NC2
NC3
CH2IN
VREFBOCH2
VREFTOCH2
AVSSCH2-3
AVDDCH2-3
NC4
NC5
CH3IN
VREFBOCH3
VREFTOCH3
PFDFREEZE
EXTCLP
LOCK
AVDDREF
AVSSREF
VMID
VCM
OE
CH1B7
CH1B6
CH1B5
CH1B4
CH1B3
CH1B2
CH1B1
CH1B0
CH2B7
CH2B6
CH2B5
CH2B4
DVSS
DVDD
EXTADCCLK
HSO
ADCLK1
ADCLK2
DTOCLK3
DVSS
DVDD
CH1A7
CH1A6
CH1A5
CH1A4
CH1A3
CH1A2
CH1A1
CH1A0
CH2A7
CH2A6
CH2A5
CH2A4
CH2A3
CH2A2
CH2A1
CH2A0
CH3A7
CH3A6
CH3A5
CH3A4
CH3A3
CH3A2
CH3A1
CH3A0
HS
VS
SCL
SDA
I2CA
CH3B0
CH3B1
CH3B2
CH3B3
CH3B4
CH3B5
CH3B6
CH3B7
CH2B0
CH2B1
CH2B2
CH2B3
DVDD
DVSS
XTL1_MCLK
DVSSPLL
XTL2
DVDDPLL
AVSSPLL
AVDDPLL
DOSDG7
DOSDG6
DOSDG5
DOSDG4
DOSDG3
DOSDG2
DOSDG1
DOSDB7
DOSDB6
DOSDB5
DOSDB4
DOSDB3
DOSDB2
DOSDB1
DOSDR7
DOSDR6
DOSDR5
DOSDR4
DOSDR3
DOSDR2
DOSDR1
SHEET14
R563 OPEN
R518 OPEN
R516 100
R517 100
SCL3
SDA3

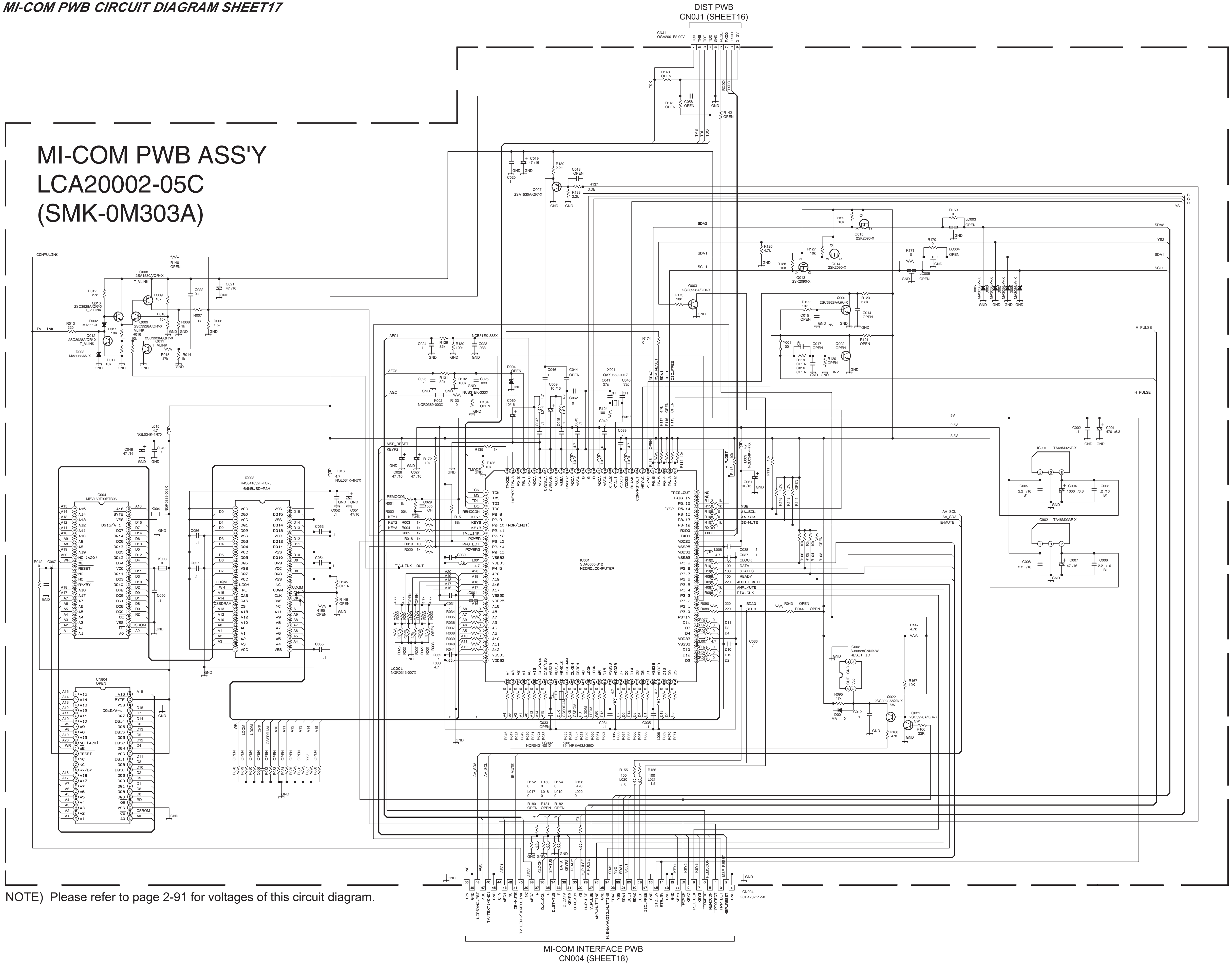
NOTES) 1. Please refer to page 2-91 for voltages of this circuit diagram.
2. Please refer to page 2-95 for waveforms of this circuit diagram.

DIST PWB CIRCUIT DIAGRAM (9/9) SHEET16


DIST PWB ASS'Y (9/9)
LCA10336-02B(SMK-0Z306A)
MI-COM INTERFACE PWB CN00L (SHEET18)
MI-COM INTERFACE PWB CN0L1 (SHEET18)
MI-COM PWB CNJ1 (SHEET17)
AV SWITCH PWB CN00K (SHEET5)
SHEET12
SHEET15
SHEET14
SHEET12
SHEET10
SHEET10
SHEET14
SHEET15
SHEET8
SHEET14
MICON_H
MICON_V
OSD_R
OSD_G
OSD_B
OSD_YS
OSDCLK
DSDVD
DSDHD
RSTAD
SCL3
SDA3
DVI_HSYNC
DVI_VSYNC
DVI_RST
TV/TEXT (MONO)
VCC5D
IC603
CD74HC4053PW-X
IC602
ICL3221CA-X
RS232C DRIVER
IC901
SII170BCL64
DVI
IC904
R1170H331B-X
Q601
2SC3928A/QR/-X
Q903
2SK2090-X
Q904
2SK2090-X
IC905
S-PST575MJ-X
CN0MDR
GNZ0576-001
CN0DVI
QNZ0580-001
<DISPLAY UNIT>
DISPLAY INTERFACE PWB
CNMDR (SHEET21)
<DISPLAY UNIT>
DISPLAY INTERFACE PWB
CNDVI (SHEET22)
R-
R+
GND
L-
L+
GND
MECA
KEY1
KEY2
GND
REMCON
GND
GND
CONSIG1A
CONSIG2A
GND
TXD[Main>>Sub]
GND
RXD[Main<<Sub]
GND
VD
GND
HD
GND
CONSIG2B
CONSIG2A
TMDS_DATA2_N
TMDS_DATA2_P
GND
DDC_CLK
DDC_DATA
NC
TMDS_DATA1_N
TMDS_DATA1_P
GND
VCC_5V
GND
DVI_HOT_PLUG
TMDS_DATA0_N
TMDS_DATA0_P
GND
GND
TMDS_CLK_P
TMDS_CLK_N

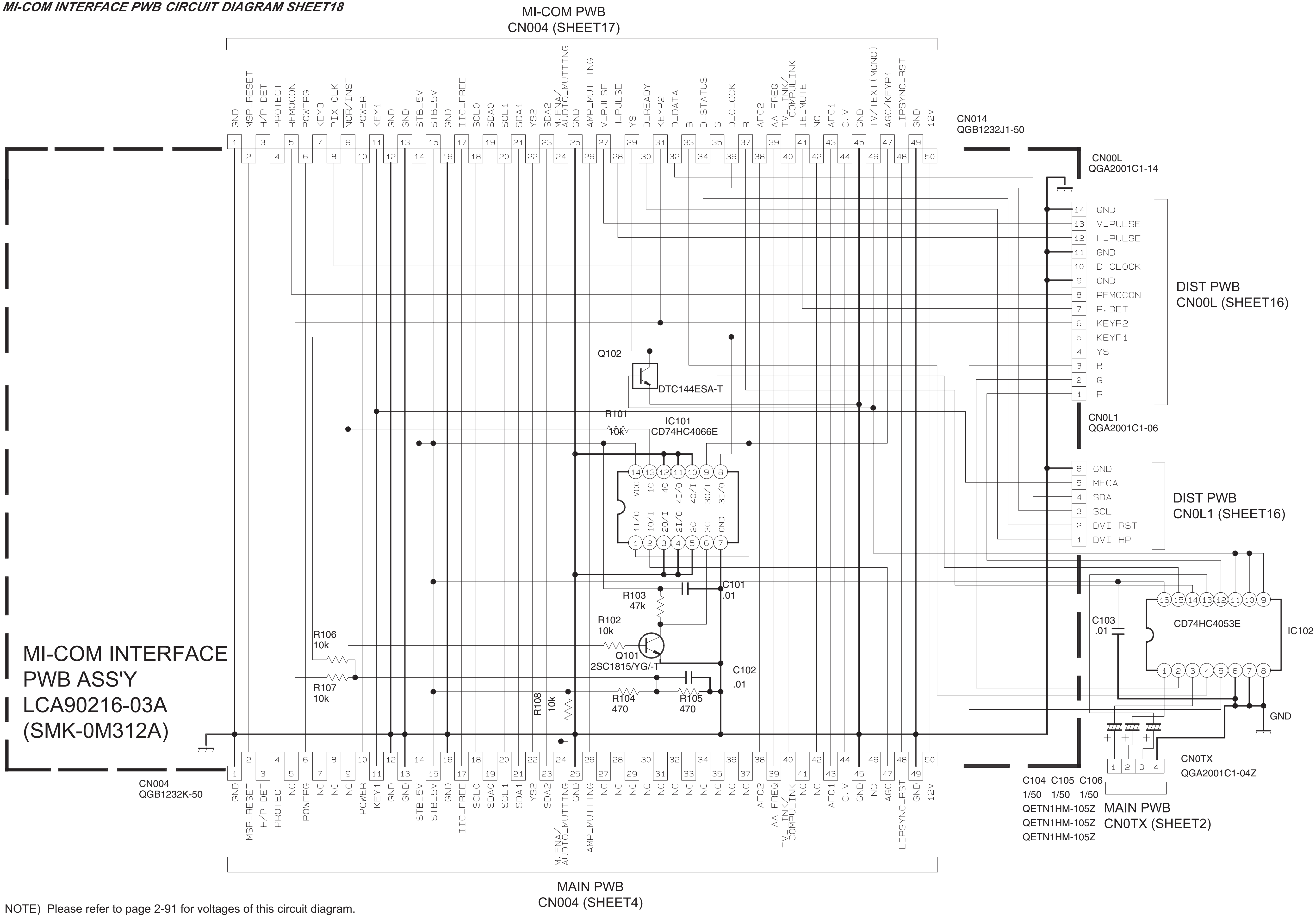
NOTES) 1. Please refer to page 2-91 for voltages of this circuit diagram.
2. Please refer to page 2-95 for waveforms of this circuit diagram.

MI-COM PWB CIRCUIT DIAGRAM SHEET17


DIST PWB
CN0J1 (SHEET16)
MI-COM PWB ASS'Y
LCA20002-05C
(SMK-0M303A)
IC001
SDA6000-B12
MICRO_COMPUTER
IC003
K4S641632F-TC75
64MB_SD-RAM
IC004
MBM29LV160TE-90PFTN
CN804
OPEN
IC901
TA48M025F-X
IC902
TA48M033F-X
IC002
S-80828CNNB-W
RESET IC
X001
CN004
QGB1232K1-50T
MI-COM INTERFACE PWB
CN004 (SHEET18)

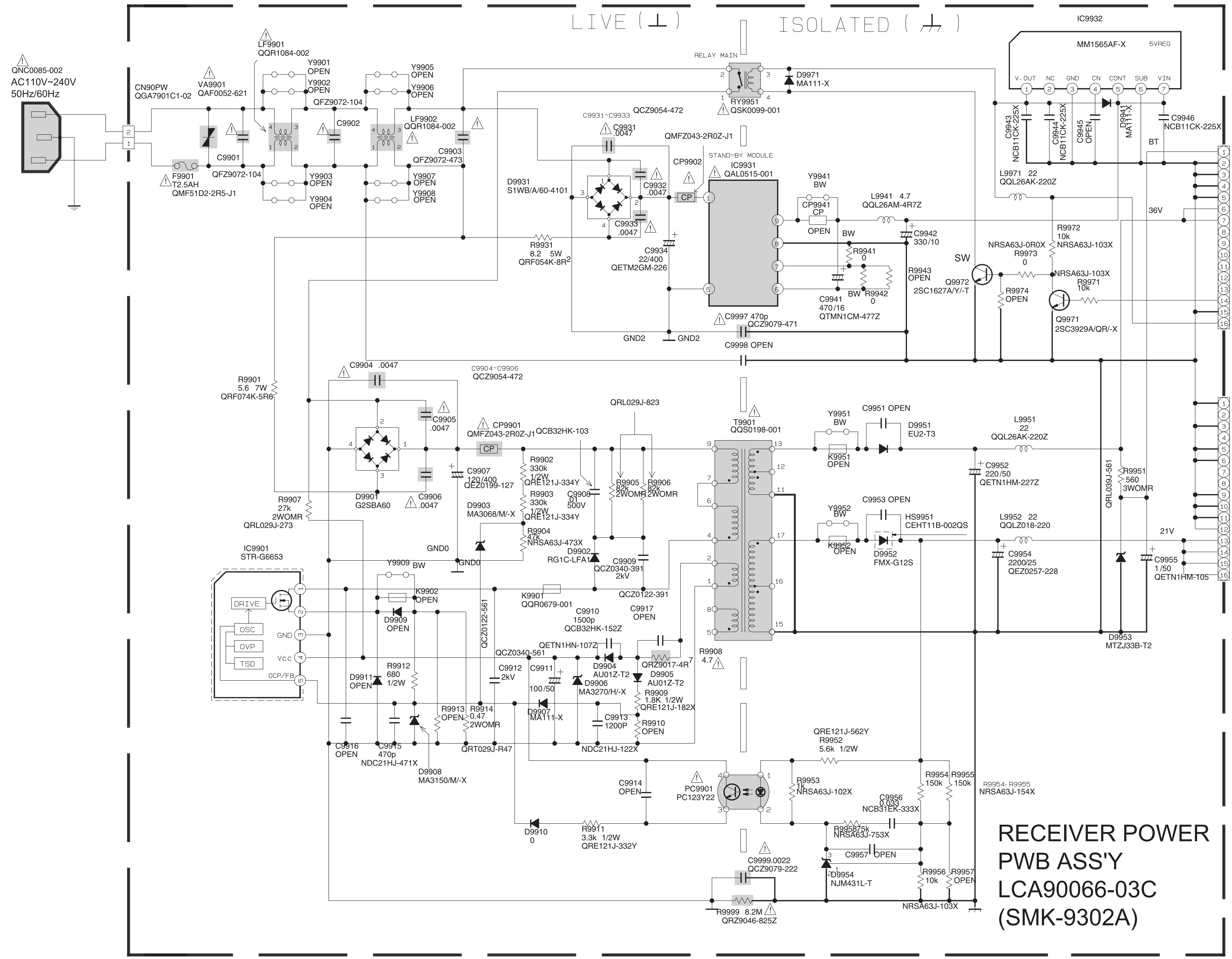
NOTE) Please refer to page 2-91 for voltages of this circuit diagram.

MI-COM INTERFACE PWB CIRCUIT DIAGRAM SHEET18

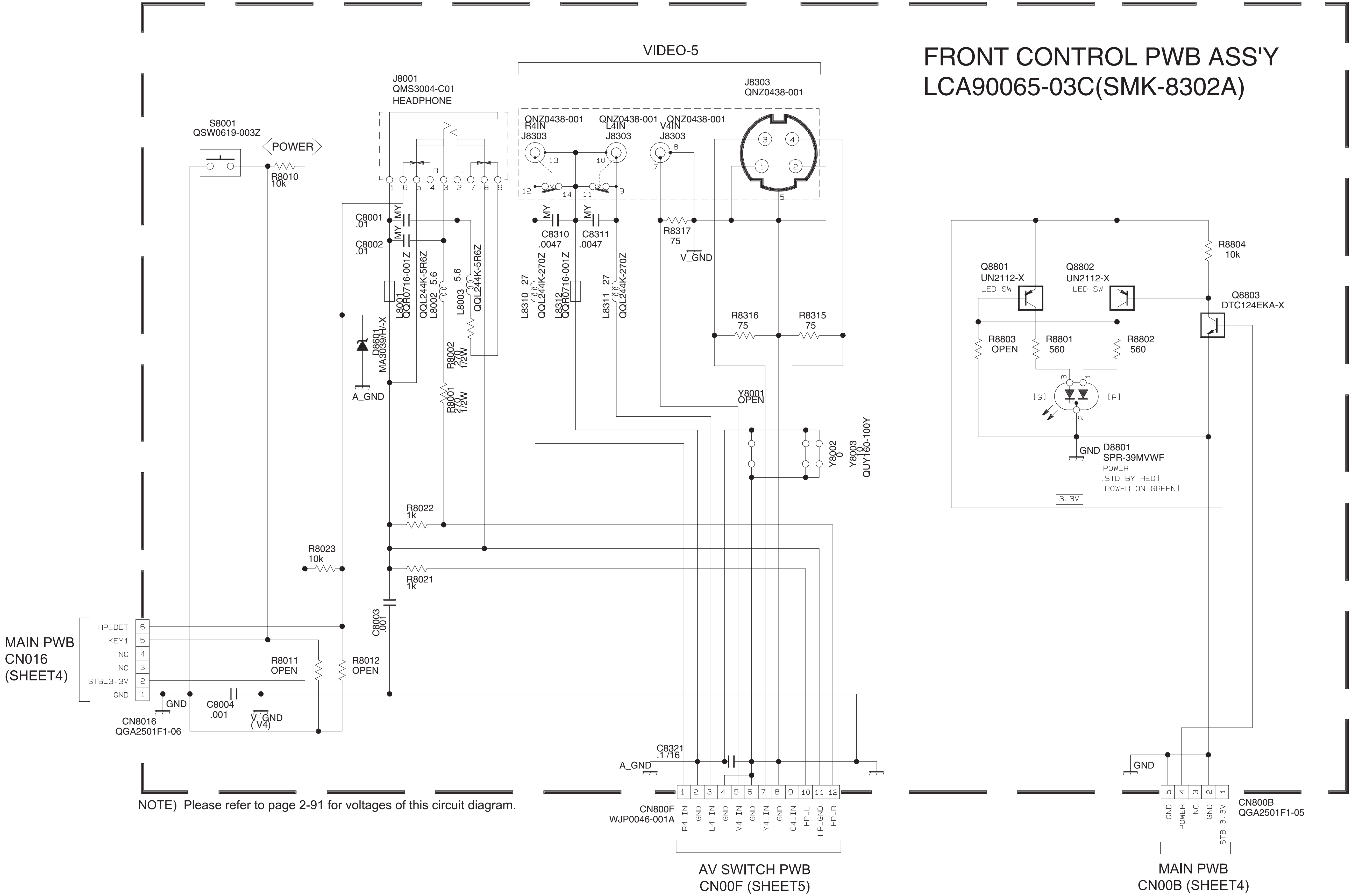

MI-COM PWB
CN004 (SHEET17)
GND
MSP_RESET
H/P_DET
PROTECT
REMOCON
POWERG
KEY3
PIX_CLK
NOR/INST
POWER
KEY1
GND
GND
STB_5V
STB_5V
GND
IIC_FREE
SCL0
SDA0
SCL1
SDA1
YS2
SDA2
M.ENA/
AUDIO_MUTTING
GND
AMP_MUTTING
V_PULSE
H_PULSE
YS
D_READY
KEYP2
D_DATA
B
D_STATUS
G
D_CLOCK
R
AFC2
AA_FREQ
TV_LINK/
COMPULINK
IE_MUTE
NC
AFC1
C.V
GND
TV/TEXT(MONO)
AGC/KEYP1
LIPSYNC_RST
GND
12V
CN014
QGB1232J1-50
CN00L
QGA2001C1-14
14 GND
13 V_PULSE
12 H_PULSE
11 GND
10 D_CLOCK
9 GND
8 REMOCON
7 P.DET
6 KEYP2
5 KEYP1
4 YS
3 B
2 G
1 R
DIST PWB
CN00L (SHEET16)
CN0L1
QGA2001C1-06
6 GND
5 MECA
4 SDA
3 SCL
2 DVI RST
1 DVI HP
DIST PWB
CN0L1 (SHEET16)
Q102
DTC144ESA-T
R101
10k
IC101
CD74HC4066E
VCC
1C
4C
4I/O
4O/I
3O/I
3I/O
1I/O
1O/I
2O/I
2I/O
2C
3C
GND
C101
.01
R103
47k
R102
10k
Q101
2SC1815/YG/-T
C102
.01
R104
470
R105
470
R106
10k
R107
10k
R108
10k
C103
.01
CD74HC4053E
IC102
GND
CN0TX
QGA2001C1-04Z
C104 C105 C106
1/50 1/50 1/50
QETN1HM-105Z
QETN1HM-105Z
QETN1HM-105Z
MAIN PWB
CN0TX (SHEET2)
MI-COM INTERFACE
PWB ASS'Y
LCA90216-03A
(SMK-0M312A)
CN004
QGB1232K-50
GND
MSP_RESET
H/P_DET
PROTECT
NC
POWERG
NC
NC
NC
POWER
KEY1
GND
GND
STB_5V
STB_5V
GND
IIC_FREE
SCL0
SDA0
SCL1
SDA1
YS2
SDA2
M.ENA/
AUDIO_MUTTING
GND
AMP_MUTTING
NC
NC
NC
NC
NC
NC
NC
NC
NC
AFC2
AA_FREQ
TV_LINK/
COMPULINK
NC
NC
AFC1
C.V
GND
NC
AGC
LIPSYNC_RST
GND
12V
MAIN PWB
CN004 (SHEET4)

NOTE) Please refer to page 2-91 for voltages of this circuit diagram.

RECEIVER POWER PWB CIRCUIT DIAGRAM SHEET19


LIVE (⊥)
ISOLATED (⏊)
QNC0085-002
AC110V~240V
50Hz/60Hz
CN90PW
QGA7901C1-02
VA9901
QAF0052-621
LF9901
QQR1084-002
Y9901
OPEN
Y9902
OPEN
Y9905
OPEN
Y9906
OPEN
QFZ9072-104
C9902
LF9902
QQR1084-002
C9903
QFZ9072-473
C9901
QFZ9072-104
F9901
T2.5AH
QMF51D2-2R5-J1
Y9903
OPEN
Y9904
OPEN
Y9907
OPEN
Y9908
OPEN
RELAY MAIN
D9971
MA111-X
RY9951
QSK0099-001
C9931~C9933
QCZ9054-472
C9931
.0047
QMFZ043-2R0Z-J1
CP9902
STAND-BY MODULE
IC9931
QAL0515-001
D9931
S1WB/A/60-4101
C9932
.0047
C9933
.0047
R9931
8.2 5W
QRF054K-8R2
C9934
22/400
QETM2GM-226
CP
Y9941
BW
CP9941
CP
OPEN
BW
L9941 4.7
QQL26AM-4R7Z
C9942
330/10
R9941
0
R9943
OPEN
C9941
470/16
QTMN1CM-477Z
BW R9942
0
C9997 470p
QCZ9079-471
C9998 OPEN
GND2
GND2
IC9932
MM1565AF-X
5VREG
V.OUT
NC
GND
CN
CONT
SUB
VIN
C9943
NCB11CK-225X
C9944
NCB11CK-225X
C9945
OPEN
D9941
MA111-X
C9946
NCB11CK-225X
BT
L9971 22
QQL26AK-220Z
36V
R9972
10k
NRSA63J-103X
NRSA63J-0R0X
R9973
0
SW
Q9972
2SC1627A/Y/-T
NRSA63J-103X
R9971
10k
R9974
OPEN
Q9971
2SC3929A/QR/-X
CN9001
QGB1506M1-16
BT32V
GND
GND
GND
GND
36V
36V
A.GND
A.GND
24V
24V
28.5V
28.5V
POWER
STB GND
STB5V
MAIN PWB
CN001
(SHEET4)
R9901
5.6 7W
QRF074K-5R6
C9904 .0047
C9904~C9906
QCZ9054-472
C9905
.0047
CP9901
QMFZ043-2R0Z-J1
QCB32HK-103
CP
QRL029J-823
C9907
120/400
QEZ0199-127
R9902
330k
1/2W
QRE121J-334Y
R9903
330k
1/2W
QRE121J-334Y
C9908
.01
500V
R9905
82k
2WOMR
R9906
82k
2WOMR
R9907
27k
2WOMR
QRL029J-273
D9901
G2SBA60
C9906
.0047
D9903
MA3068/M/-X
R9904
47k
NRSA63J-473X
D9902
RG1C-LFA1
C9909
QCZ0340-391
2kV
GND0
GND0
IC9901
STR-G6653
Y9909
BW
K9902
OPEN
DRIVE
OSC
OVP
TSD
GND
Vcc
OCP/FB
D9909
OPEN
QCZ0122-561
K9901
QQR0679-001
QCZ0122-391
C9910
1500p
QCB32HK-152Z
C9917
OPEN
QETN1HN-107Z
QCZ0340-561
C9912
2kV
C9911
100/50
D9904
AU01Z-T2
D9906
MA3270/H/-X
QRZ9017-4R7
D9905
AU01Z-T2
R9908
4.7
D9911
OPEN
R9912
680
1/2W
R9913
OPEN
R9914
0.47
2WOMR
D9907
MA111-X
C9913
1200P
R9909
1.8K 1/2W
QRE121J-182X
R9910
OPEN
C9916
OPEN
C9915
470p
NDC21HJ-471X
QRT029J-R47
NDC21HJ-122X
D9908
MA3150/M/-X
C9914
OPEN
PC9901
PC123Y22
D9910
0
R9911
3.3k 1/2W
QRE121J-332Y
C9999.0022
QCZ9079-222
R9999 8.2M
QRZ9046-825Z
T9901
QQS0198-001
Y9951
BW
K9951
OPEN
C9951 OPEN
D9951
EU2-T3
L9951
22
QQL26AK-220Z
C9952
220/50
QETN1HM-227Z
Y9952
BW
K9952
OPEN
C9953 OPEN
HS9951
CEHT11B-002QS
D9952
FMX-G12S
L9952 22
QQLZ018-220
C9954
2200/25
QEZ0257-228
QRL039J-561
R9951
560
3WOMR
21V
C9955
1/50
QETN1HM-105
D9953
MTZJ33B-T2
CN9002
QGB1506M1-16
GND
12V
GND
5V
GND
GND
14V
14V
GND
GND
GND
GND
21V
21V
21V
21V
MAIN PWB
CN002
(SHEET4)
QRE121J-562Y
R9952
5.6k 1/2W
R9953
1k
NRSA63J-102X
C9956
0.033
NCB31EK-333X
R9954
150k
R9955
150k
R9954, R9955
NRSA63J-154X
R9958 75k
NRSA63J-753X
C9957 OPEN
D9954
NJM431L-T
R9956
10k
R9957
OPEN
NRSA63J-103X
RECEIVER POWER
PWB ASS'Y
LCA90066-03C
(SMK-9302A)

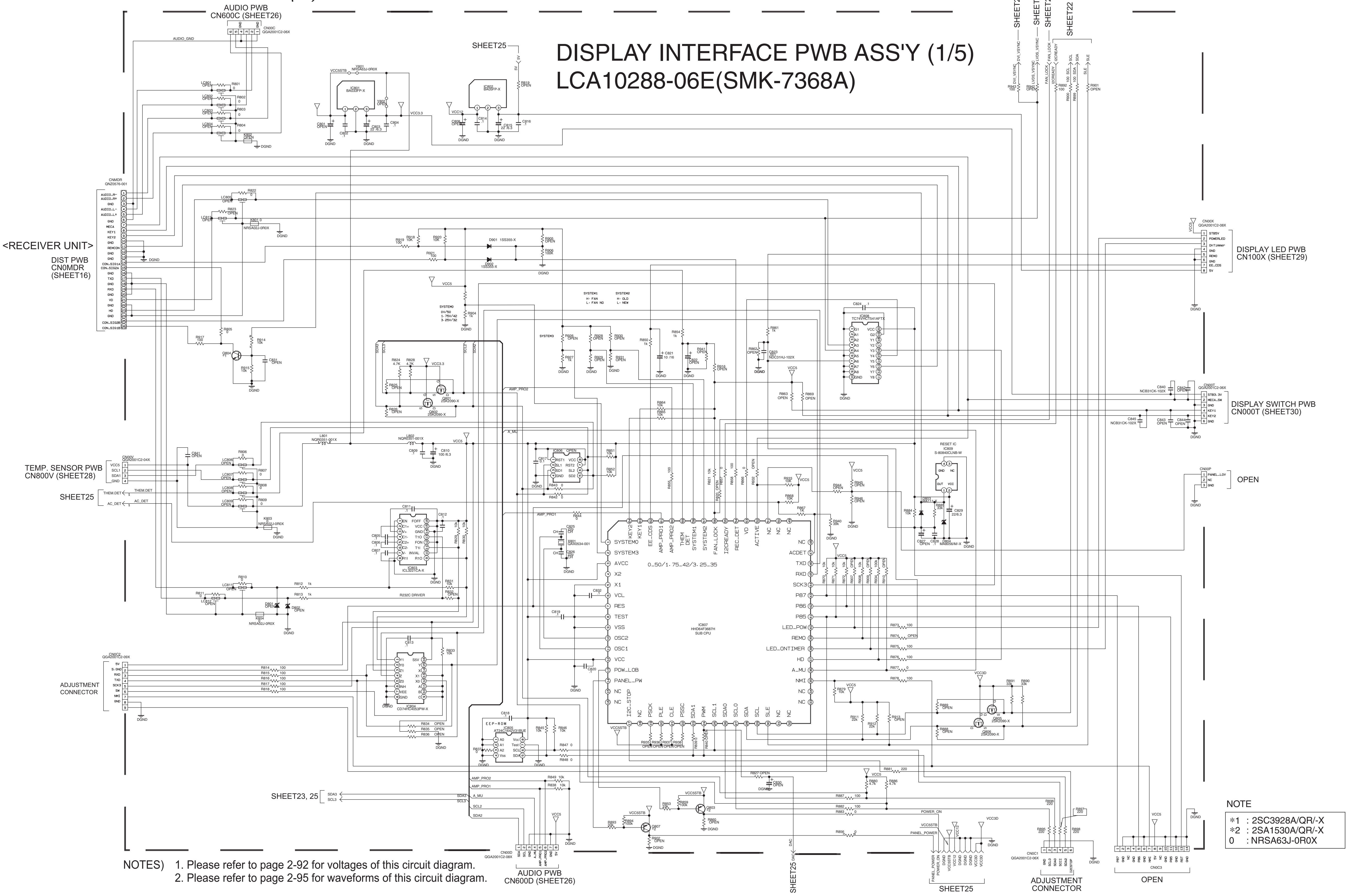
NOTE) Please refer to page 2-91 for voltages of this circuit diagram.


FRONT CONTROL PWB ASS'Y
LCA90065-03C(SMK-8302A)
VIDEO-5
J8001
QMS3004-C01
HEADPHONE
J8303
QNZ0438-001
QNZ0438-001
R4IN
J8303
QNZ0438-001
L4IN
J8303
QNZ0438-001
V4IN
J8303
S8001
QSW0619-003Z
POWER
R8010
10k
C8001
.01
C8002
.01
MY
L8001
QQR0716-001Z
QQL244K-5R6Z
L8002 5.6
L8003 5.6
QQL244K-5R6Z
D8601
MA3039/H/-X
A_GND
R8002
270
1/2W
R8001
270
1/2W
C8310
.0047
C8311
.0047
L8310 27
QQL244K-270Z
L8312
QQR0716-001Z
L8311 27
QQL244K-270Z
R8317
75
V_GND
R8316
75
R8315
75
Y8001
OPEN
Y8002
0
Y8003
10
QUY160-100Y
R8022
1k
R8023
10k
R8021
1k
C8003
.001
R8011
OPEN
R8012
OPEN
MAIN PWB
CN016
(SHEET4)
HP_DET 6
KEY1 5
NC 4
NC 3
STB_3.3V 2
GND 1
GND
C8004
.001
V_GND
(V4)
CN8016
QGA2501F1-06
C8321
.1/16
A_GND
CN800F
WJP0046-001A
1 R4_IN
2 GND
3 L4_IN
4 GND
5 V4_IN
6 GND
7 Y4_IN
8 GND
9 C4_IN
10 HP_L
11 HP_GND
12 HP_R
AV SWITCH PWB
CN00F (SHEET5)
R8804
10k
Q8801
UN2112-X
LED SW
Q8802
UN2112-X
LED SW
Q8803
DTC124EKA-X
R8803
OPEN
R8801
560
R8802
560
[G]
[R]
GND
D8801
SPR-39MVWF
POWER
[STD BY RED]
[POWER ON GREEN]
3.3V
GND
5 GND
4 POWER
3 NC
2 GND
1 STB_3.3V
CN800B
QGA2501F1-05
MAIN PWB
CN00B (SHEET4)

NOTE) Please refer to page 2-91 for voltages of this circuit diagram.

CIRCUIT DIAGRAMS [DISPLAY UNIT]

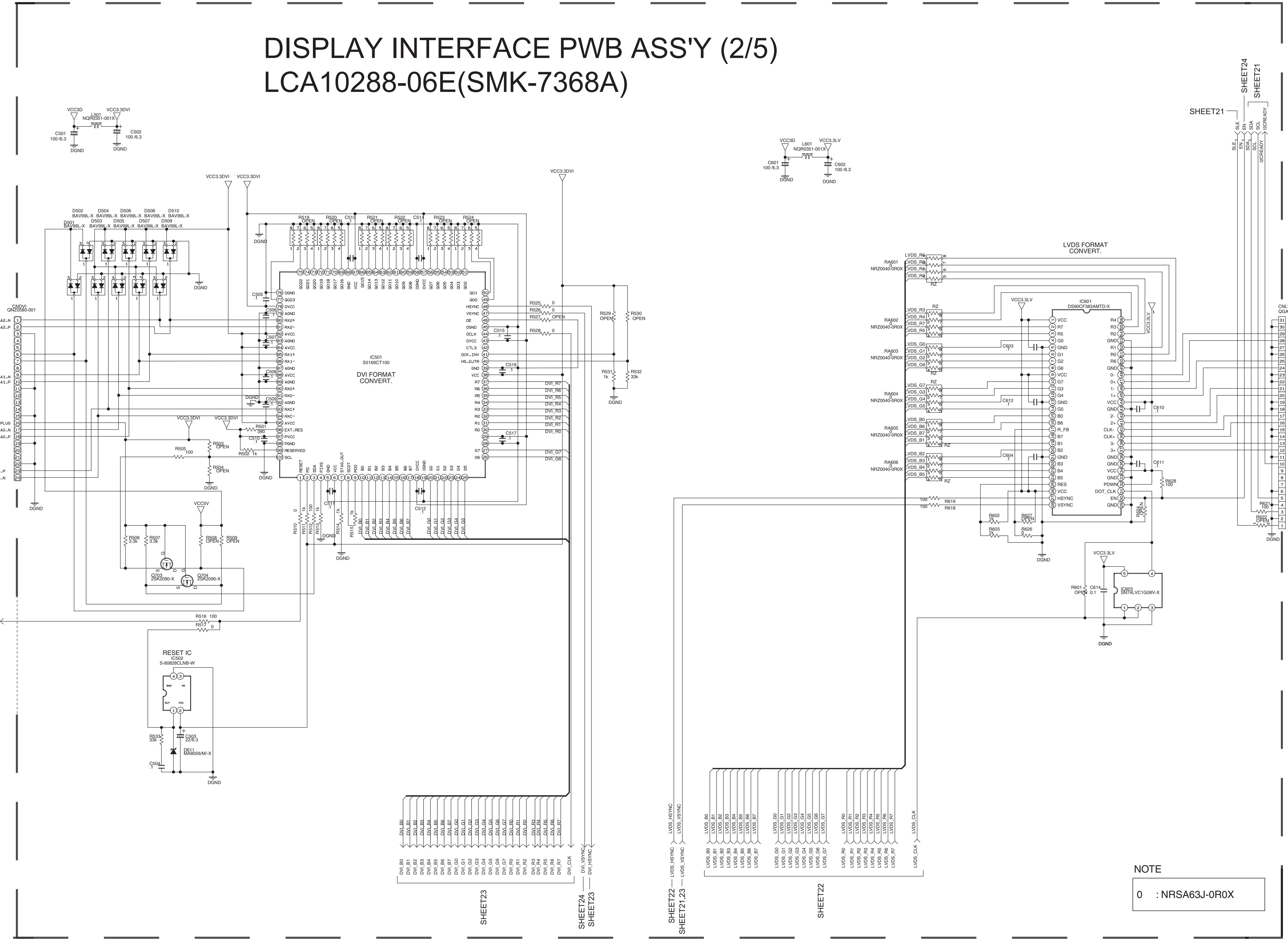
DISPLAY INTERFACE PWB CIRCUIT DIAGRAM (1/5) SHEET21


DISPLAY INTERFACE PWB ASS'Y (1/5)
LCA10288-06E(SMK-7368A)
AUDIO PWB
CN600C (SHEET26)
SHEET25
SHEET24
SHEET22
SHEET25
SHEET22
<RECEIVER UNIT>
DIST PWB
CN0MDR
(SHEET16)
TEMP. SENSOR PWB
CN800V (SHEET28)
SHEET25
ADJUSTMENT CONNECTOR
SHEET23, 25
AUDIO PWB
CN600D (SHEET26)
SHEET25
SHEET25
ADJUSTMENT CONNECTOR
OPEN
DISPLAY LED PWB
CN100X (SHEET29)
DISPLAY SWITCH PWB
CN000T (SHEET30)
OPEN
RESET IC
IC807
HH064F3687H
SUB CPU
EEP-ROM
NOTE
*1 : 2SC3928A/QR/-X
*2 : 2SA1530A/QR/-X
0 : NRSA63J-0R0X

NOTES) 1. Please refer to page 2-92 for voltages of this circuit diagram.

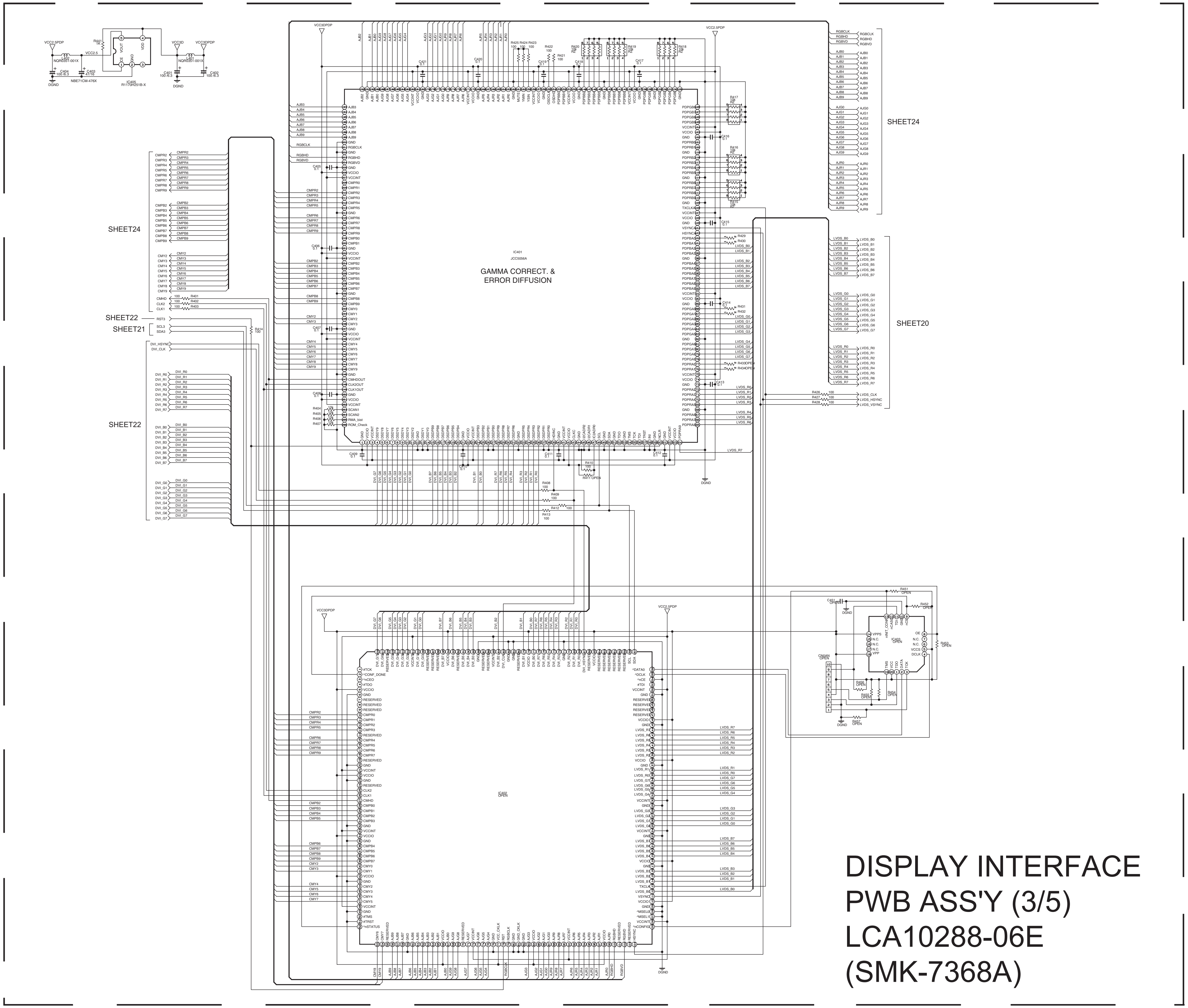
2. Please refer to page 2-95 for waveforms of this circuit diagram.

DISPLAY INTERFACE PWB ASS'Y (2/5)
LCA10288-06E(SMK-7368A)


<RECEIVER UNIT>
DIST PWB
CN0DVI
(SHEET16)
CN0VI
QNZ0580-001
IC501
SII169CT100
DVI FORMAT
CONVERT.
RESET IC
IC502
S-80828CLNB-W
SHEET23,24
RST3
LVDS FORMAT
CONVERT.
IC601
DS90CF383AMTD-X
IC603
SN74LVC1G08V-X
CNLVDS
QGA1211C2-31X
PDP UNIT
(L-MAIN PWB CN LA03)
SHEET21
SHEET24
SHEET22
SHEET23
SHEET21,23
L501
NQR0351-001X
L601
NQR0351-001X
VCC3D
VCC3.3DVI
VCC3.3LV
VCC5V
DGND
Q703
2SK2090-X
Q704
2SK2090-X
D611
MA8056/M-X
BAV99L-X
NOTE
0 : NRSA63J-0R0X

NOTES) 1. Please refer to page 2-92 for voltages of this circuit diagram.
2. Please refer to page 2-95 for waveforms of this circuit diagram.

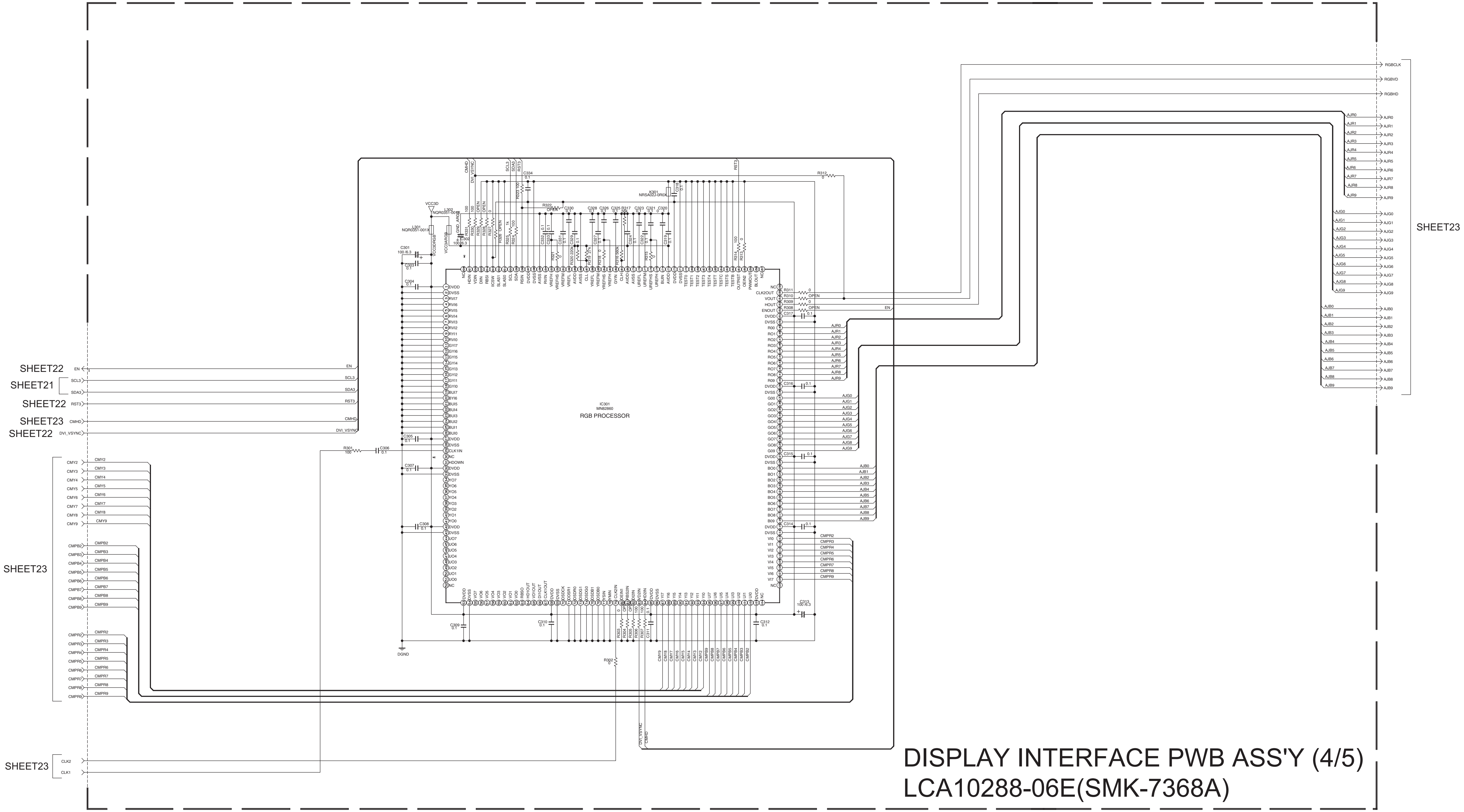
DISPLAY INTERFACE PWB CIRCUIT DIAGRAM (3/5) SHEET23


SHEET24
SHEET22
SHEET21
SHEET20
IC401
JCC5056A
GAMMA CORRECT. &
ERROR DIFFUSION
IC402
OPEN
IC405
R1170H251B-X
NQR0201-001X
VCC2.5PDP
VCC3D
VCC3DPDP
DGND

DISPLAY INTERFACE
PWB ASS'Y (3/5)
LCA10288-06E
(SMK-7368A)

NOTES) 1. Please refer to page 2-92 for voltages of this circuit diagram.
2. Please refer to page 2-95 for waveforms of this circuit diagram.

DISPLAY INTERFACE PWB CIRCUIT DIAGRAM (4/5) SHEET24


SHEET22
EN
SHEET21
SCL3
SDA3
SHEET22
RST3
SHEET23
CMHD
SHEET22
DVI_VSYNC
SHEET23
CMY2
CMY3
CMY4
CMY5
CMY6
CMY7
CMY8
CMY9
CMPB2
CMPB3
CMPB4
CMPB5
CMPB6
CMPB7
CMPB8
CMPB9
CMPR2
CMPR3
CMPR4
CMPR5
CMPR6
CMPR7
CMPR8
CMPR9
SHEET23
CLK2
CLK1
IC301
MN82860
RGB PROCESSOR
VCC3D
DGND
R301
100
C306
0.1
R302
R312
0
C334
0.1
R311
R310
R309
R308
OPEN
ENOUT
RGBCLK
RGBVD
RGBHD
AJR0
AJR1
AJR2
AJR3
AJR4
AJR5
AJR6
AJR7
AJR8
AJR9
AJG0
AJG1
AJG2
AJG3
AJG4
AJG5
AJG6
AJG7
AJG8
AJG9
AJB0
AJB1
AJB2
AJB3
AJB4
AJB5
AJB6
AJB7
AJB8
AJB9
SHEET23

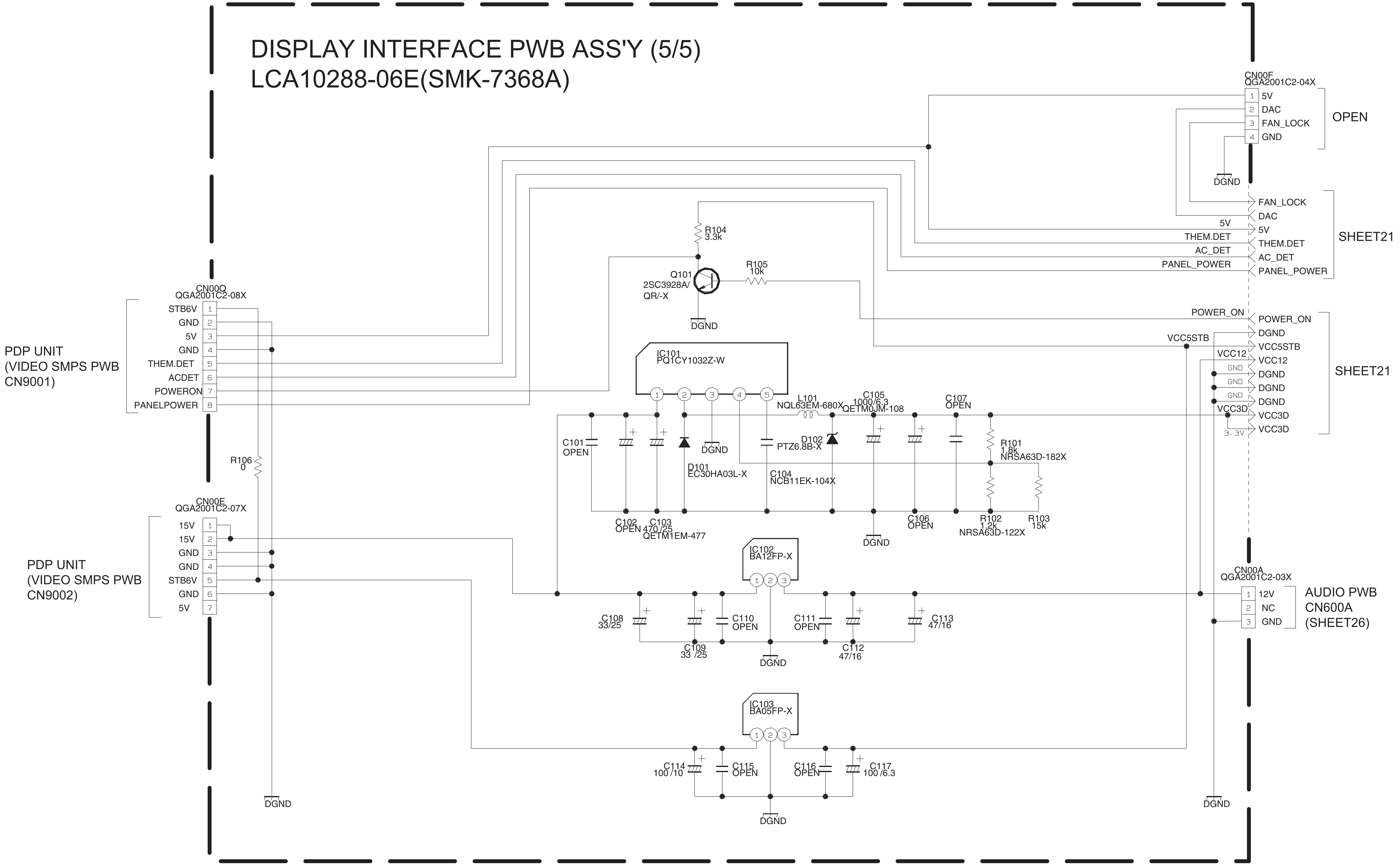
DISPLAY INTERFACE PWB ASS'Y (4/5)
LCA10288-06E(SMK-7368A)

NOTES) 1. Please refer to page 2-92 for voltages of this circuit diagram.
2. Please refer to page 2-95 for waveforms of this circuit diagram.

NOTE

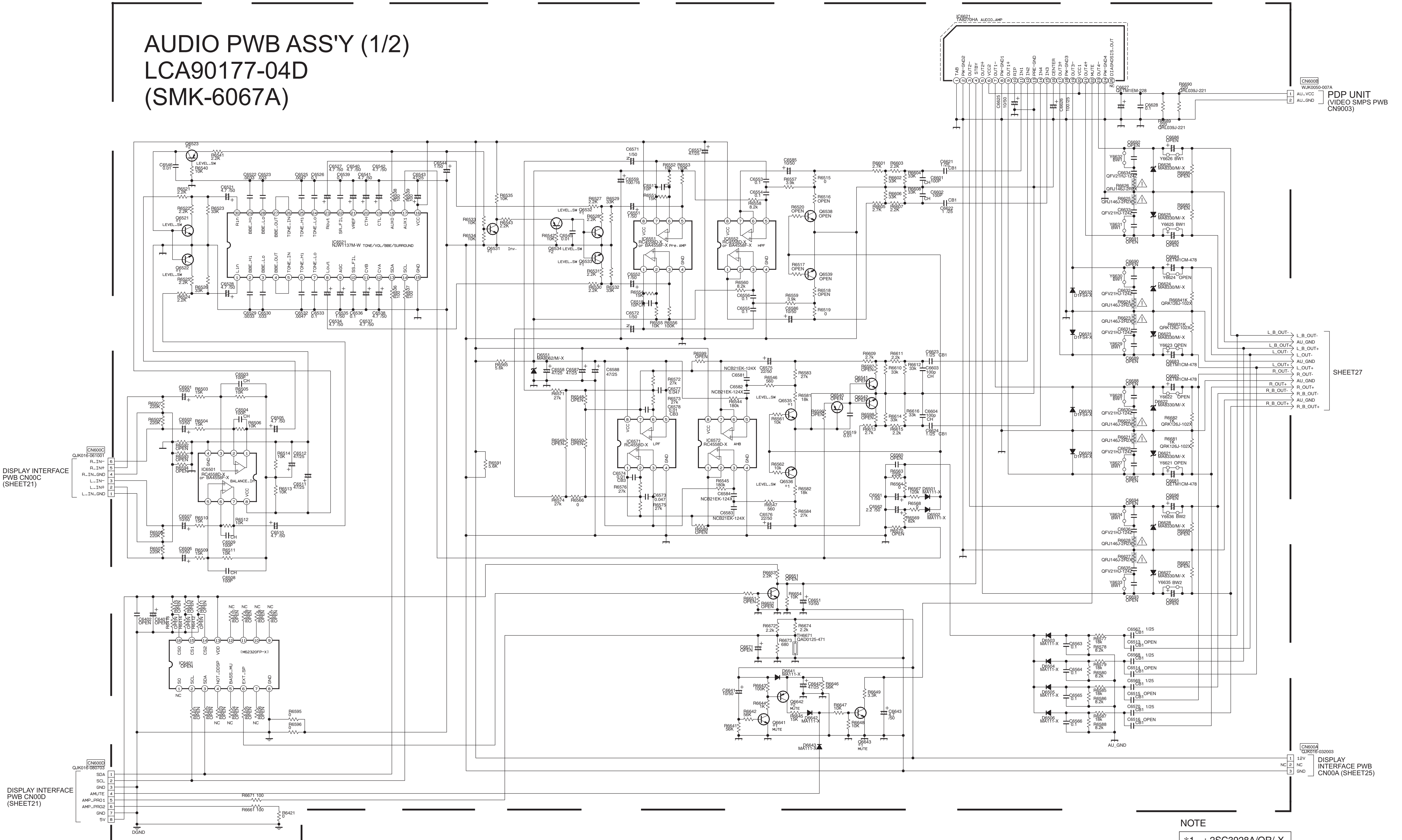
0 : NRSA63J-0R0X

DISPLAY INTERFACE PWB CIRCUIT DIAGRAM (5/5) SHEET25


DISPLAY INTERFACE PWB ASS'Y (5/5)
LCA10288-06E(SMK-7368A)
CN00F
QGA2001C2-04X
1 5V
2 DAC
3 FAN_LOCK
4 GND
OPEN
DGND
FAN_LOCK
DAC
5V
THEM.DET
AC_DET
PANEL_POWER
SHEET21
R104
3.3k
Q101
2SC3928A/
QR/-X
R105
10k
DGND
POWER_ON
DGND
VCC5STB
VCC12
GND
VCC3D
3.3V
SHEET21
CN00Q
QGA2001C2-08X
STB6V 1
GND 2
5V 3
GND 4
THEM.DET 5
ACDET 6
POWERON 7
PANELPOWER 8
PDP UNIT
(VIDEO SMPS PWB
CN9001)
IC101
PQ1CY1032Z-W
L101
NQL63EM-680X
C105
1000/6.3
QETM0JM-108
C107
OPEN
C101
OPEN
D102
PTZ6.8B-X
DGND
R101
1.8k
NRSA63D-182X
D101
EC30HA03L-X
C104
NCB11EK-104X
R106
0
C102
OPEN
C103
470 /25
QETM1EM-477
C106
OPEN
R102
1.2k
NRSA63D-122X
R103
15k
DGND
CN00E
QGA2001C2-07X
15V 1
15V 2
GND 3
GND 4
STB6V 5
GND 6
5V 7
PDP UNIT
(VIDEO SMPS PWB
CN9002)
IC102
BA12FP-X
CN00A
QGA2001C2-03X
1 12V
2 NC
3 GND
AUDIO PWB
CN600A
(SHEET26)
C108
33/25
C109
33 /25
C110
OPEN
C111
OPEN
C112
47/16
C113
47/16
DGND
IC103
BA05FP-X
C114
100 /10
C115
OPEN
C116
OPEN
C117
100 /6.3
DGND
DGND
DGND

NOTE) Please refer to page 2-92 for voltages of this circuit diagram.

AUDIO PWB ASS'Y (1/2)
LCA90177-04D
(SMK-6067A)

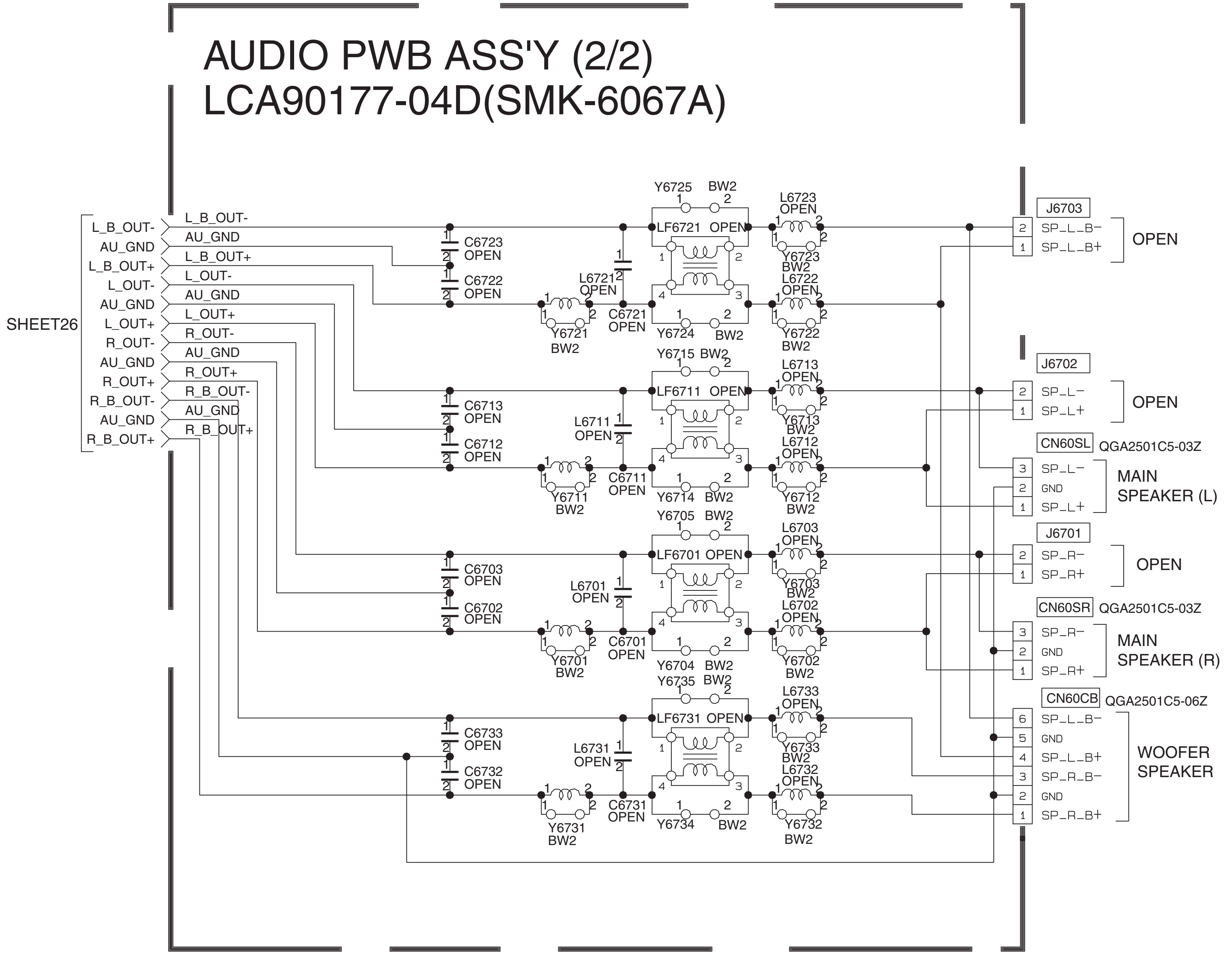

IC6621 TA8270HA AUDIO_AMP
CN600B WJK0050-007A
AU_VCC
AU_GND
PDP UNIT (VIDEO SMPS PWB CN9003)
IC6521 NJW1137M-W TONE/VOL/BBE/SURROUND
IC6551 RC4558D-X or BA4558F-X Pre-AMP
IC6552 RC4558D-X or BA4558F-X HPF
IC6571 RC4558D-X LPF
IC6572 RC4558D-X AHB
IC6501 RC4558D-X or BA4558F-X BALANCE_IN
IC6401 OPEN (M62320FP-X)
CN600C QJK016-061001
DISPLAY INTERFACE PWB CN00C (SHEET21)
R_IN-
R_IN+
R_IN_GND
L_IN-
L_IN+
L_IN_GND
CN600D QJK016-080703
DISPLAY INTERFACE PWB CN00D (SHEET21)
SDA
SCL
GND
AMUTE
AMP_PRO1
AMP_PRO2
GND
5V
DGND
CN600A QJK016-032003
12V
NC
GND
DISPLAY INTERFACE PWB CN00A (SHEET25)
L_B_OUT-
AU_GND
L_B_OUT+
L_OUT-
AU_GND
L_OUT+
R_OUT-
AU_GND
R_OUT+
R_B_OUT-
AU_GND
R_B_OUT+
SHEET27
AU_GND
LEVEL_SW
MUTE

NOTE) Please refer to page 2-93 for voltages of this circuit diagram.

NOTE

*1	: 2SC3928A/QR/-X
*2	: 2SA1530A/QR/-X
0	: NRSA63J-0R0X
BW1	: QUY153-050Y
BW2	: QUY160-100Y

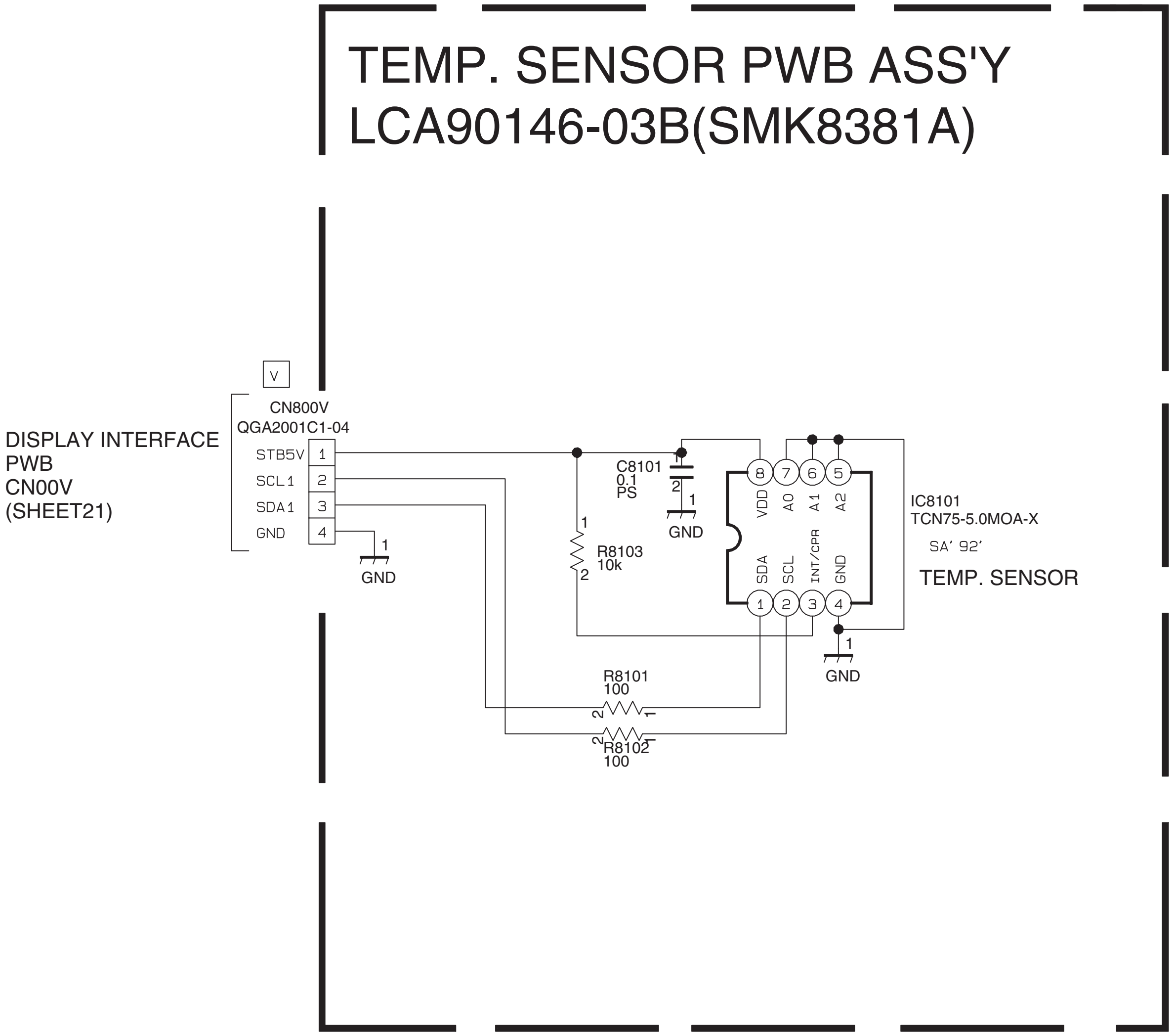
AUDIO PWB CIRCUIT DIAGRAM (2/2) SHEET27


AUDIO PWB ASS'Y (2/2)
LCA90177-04D(SMK-6067A)
SHEET26
L_B_OUT-
AU_GND
L_B_OUT+
L_OUT-
AU_GND
L_OUT+
R_OUT-
AU_GND
R_OUT+
R_B_OUT-
AU_GND
R_B_OUT+
C6723 OPEN
C6722 OPEN
C6713 OPEN
C6712 OPEN
C6703 OPEN
C6702 OPEN
C6733 OPEN
C6732 OPEN
Y6725 BW2
LF6721 OPEN
L6721 OPEN
C6721 OPEN
Y6721 BW2
Y6724 BW2
L6723 OPEN
Y6723 BW2
L6722 OPEN
Y6722 BW2
Y6715 BW2
LF6711 OPEN
L6711 OPEN
C6711 OPEN
Y6711 BW2
Y6714 BW2
L6713 OPEN
Y6713 BW2
L6712 OPEN
Y6712 BW2
Y6705 BW2
LF6701 OPEN
L6701 OPEN
C6701 OPEN
Y6701 BW2
Y6704 BW2
L6703 OPEN
Y6703 BW2
L6702 OPEN
Y6702 BW2
Y6735 BW2
LF6731 OPEN
L6731 OPEN
C6731 OPEN
Y6731 BW2
Y6734 BW2
L6733 OPEN
Y6733 BW2
L6732 OPEN
Y6732 BW2
J6703
SP_L_B-
SP_L_B+
OPEN
J6702
SP_L-
SP_L+
OPEN
CN60SL QGA2501C5-03Z
SP_L-
GND
SP_L+
MAIN SPEAKER (L)
J6701
SP_R-
SP_R+
OPEN
CN60SR QGA2501C5-03Z
SP_R-
GND
SP_R+
MAIN SPEAKER (R)
CN60CB QGA2501C5-06Z
SP_L_B-
GND
SP_L_B+
SP_R_B-
GND
SP_R_B+
WOOFER SPEAKER

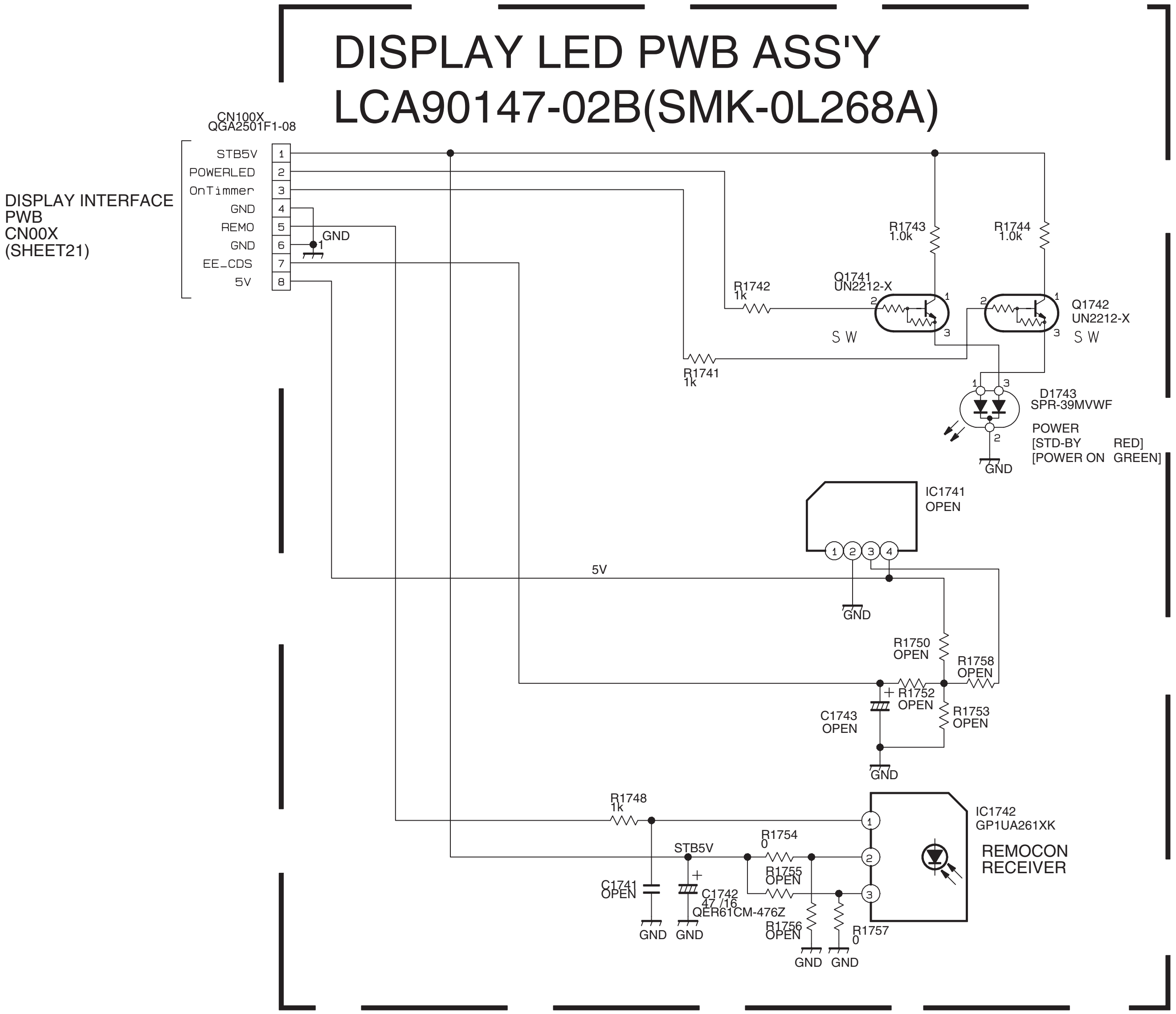
NOTE

BW2 : QUY160-100Y

TEMP. SENSOR PWB CIRCUIT DIAGRAM SHEET28


TEMP. SENSOR PWB ASS'Y
LCA90146-03B(SMK8381A)
V
DISPLAY INTERFACE PWB CN00V (SHEET21)
CN800V
QGA2001C1-04
STB5V 1
SCL1 2
SDA1 3
GND 4
GND
C8101 0.1 PS
GND
R8103 10k
R8101 100
R8102 100
VDD
A0
A1
A2
SDA
SCL
INT/CPR
GND
IC8101
TCN75-5.0MOA-X
SA' 92'
TEMP. SENSOR
GND

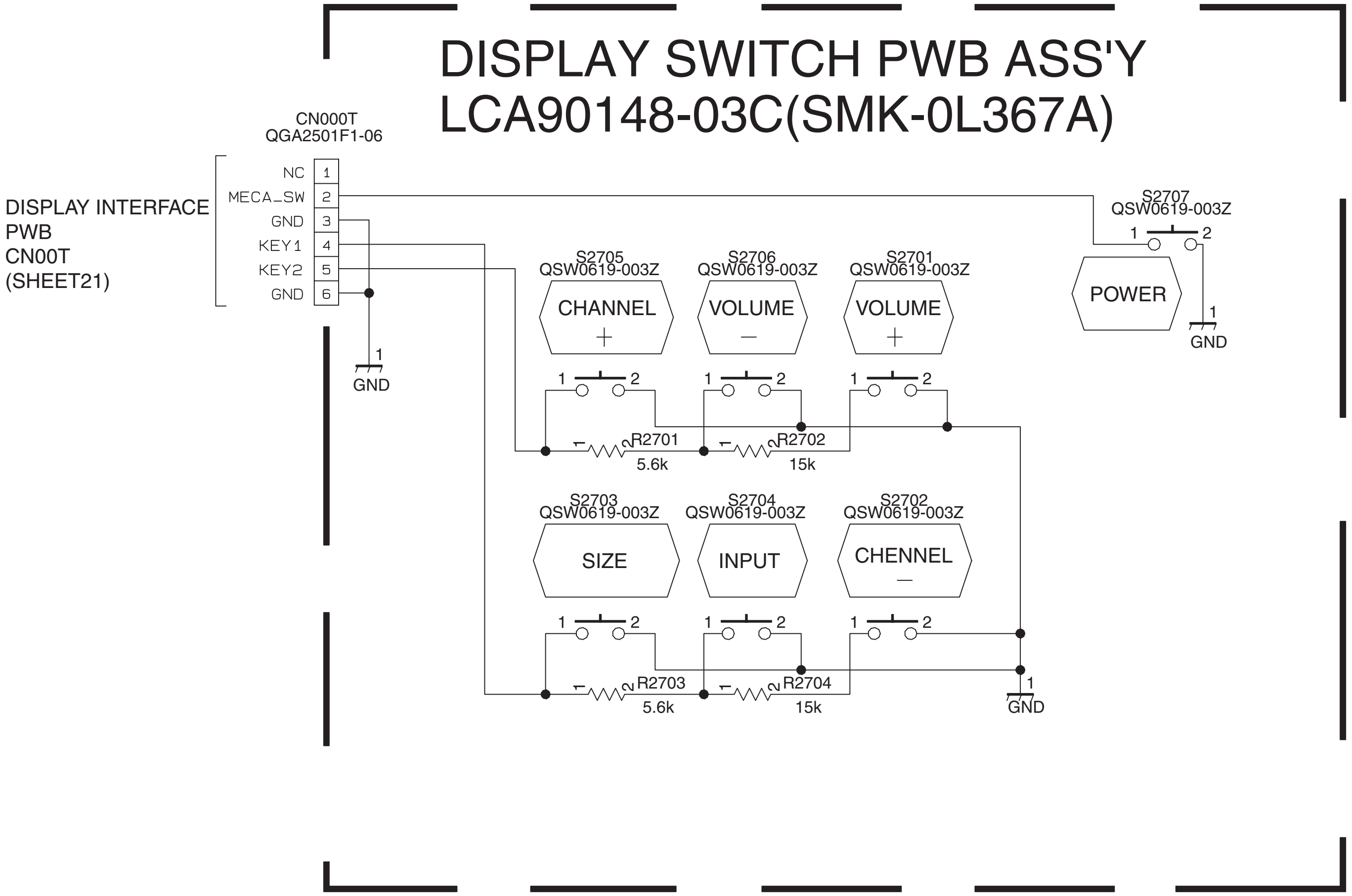
NOTE) Please refer to page 2-93 for voltages of this circuit diagram.


DISPLAY LED PWB ASS'Y
LCA90147-02B(SMK-0L268A)
DISPLAY INTERFACE
PWB
CN00X
(SHEET21)
CN100X
QGA2501F1-08
STB5V 1
POWERLED 2
OnTimmer 3
GND 4
REMO 5
GND 6
EE_CDS 7
5V 8
GND
R1743
1.0k
R1744
1.0k
R1742
1k
Q1741
UN2212-X
Q1742
UN2212-X
SW
SW
R1741
1k
D1743
SPR-39MVWF
POWER
[STD-BY RED]
[POWER ON GREEN]
GND
IC1741
OPEN
5V
GND
R1750
OPEN
R1758
OPEN
R1752
OPEN
R1753
OPEN
C1743
OPEN
GND
R1748
1k
IC1742
GP1UA261XK
REMOCON
RECEIVER
STB5V
R1754
0
R1755
OPEN
C1741
OPEN
C1742
47 /16
QER61CM-476Z
R1756
OPEN
R1757
0
GND
GND
GND
GND

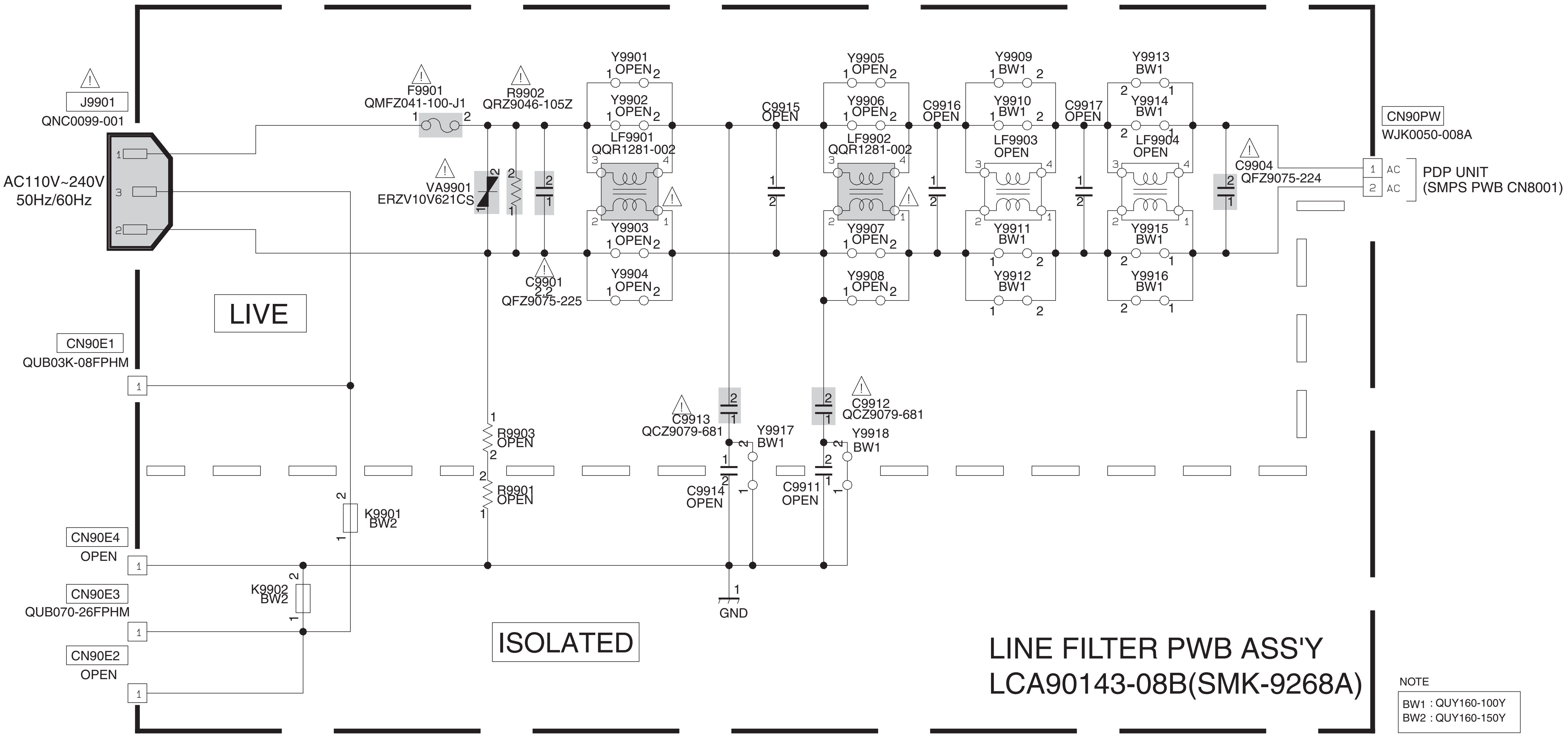
NOTE) Please refer to page 2-93 for voltages of this circuit diagram.

NOTE

0 : NRSA63J-0R0X

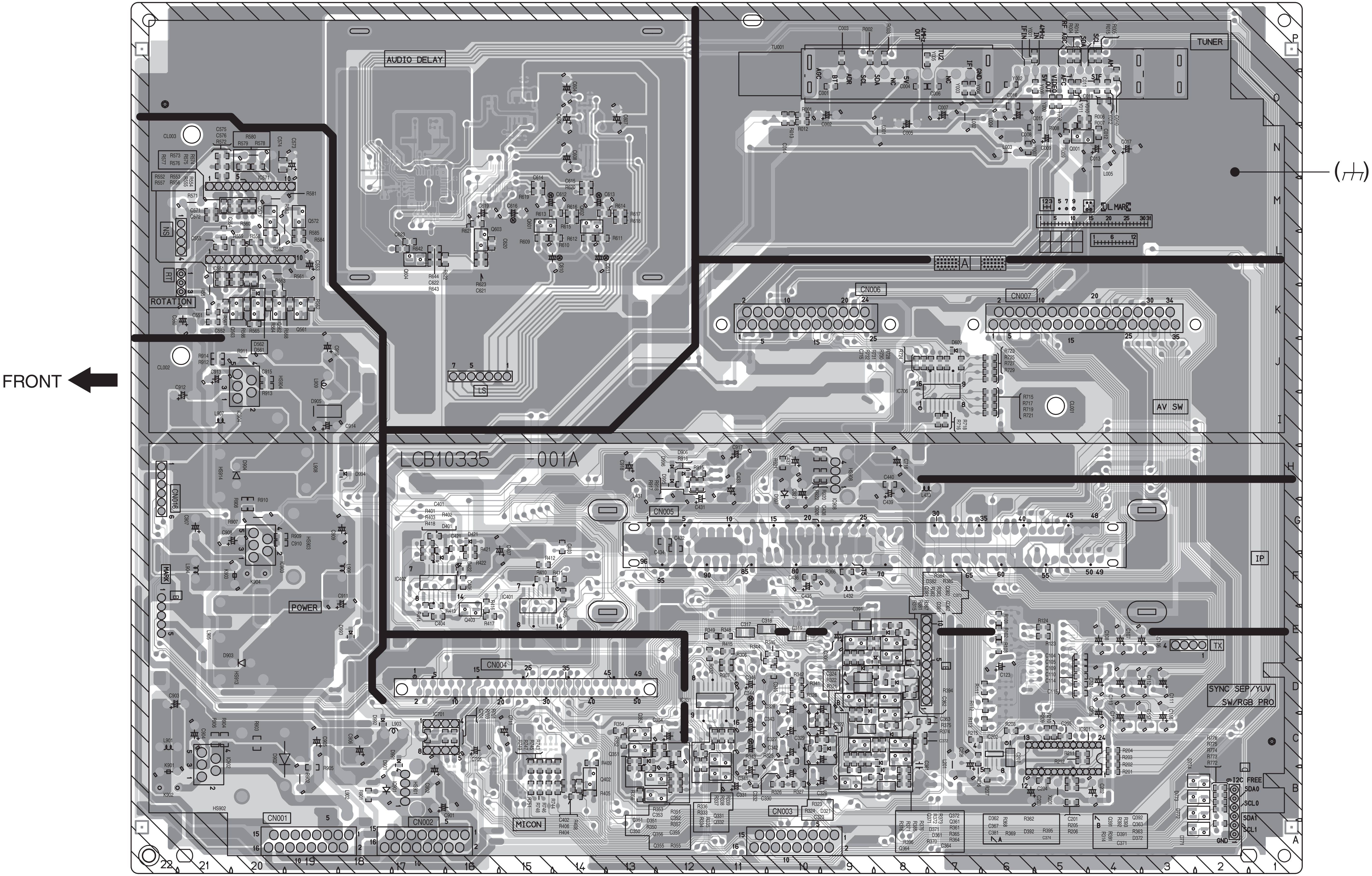

DISPLAY SWITCH PWB ASS'Y
LCA90148-03C(SMK-0L367A)
DISPLAY INTERFACE
PWB
CN00T
(SHEET21)
CN000T
QGA2501F1-06
NC 1
MECA_SW 2
GND 3
KEY1 4
KEY2 5
GND 6
GND
S2707
QSW0619-003Z
POWER
GND
S2705
QSW0619-003Z
CHANNEL +
S2706
QSW0619-003Z
VOLUME −
S2701
QSW0619-003Z
VOLUME +
R2701
5.6k
R2702
15k
S2703
QSW0619-003Z
SIZE
S2704
QSW0619-003Z
INPUT
S2702
QSW0619-003Z
CHENNEL −
R2703
5.6k
R2704
15k
GND

LINE FILTER PWB CIRCUIT DIAGRAM SHEET31


J9901
QNC0099-001
AC110V~240V
50Hz/60Hz
F9901
QMFZ041-100-J1
R9902
QRZ9046-105Z
VA9901
ERZV10V621CS
C9901
2.2
QFZ9075-225
Y9901
OPEN
Y9902
OPEN
LF9901
QQR1281-002
Y9903
OPEN
Y9904
OPEN
C9915
OPEN
Y9905
OPEN
Y9906
OPEN
LF9902
QQR1281-002
Y9907
OPEN
Y9908
OPEN
C9916
OPEN
Y9909
BW1
Y9910
BW1
LF9903
OPEN
Y9911
BW1
Y9912
BW1
C9917
OPEN
Y9913
BW1
Y9914
BW1
LF9904
OPEN
Y9915
BW1
Y9916
BW1
C9904
QFZ9075-224
CN90PW
WJK0050-008A
AC
AC
PDP UNIT
(SMPS PWB CN8001)
LIVE
CN90E1
QUB03K-08FPHM
R9903
OPEN
R9901
OPEN
C9913
QCZ9079-681
Y9917
BW1
C9914
OPEN
C9912
QCZ9079-681
Y9918
BW1
C9911
OPEN
K9901
BW2
CN90E4
OPEN
CN90E3
QUB070-26FPHM
K9902
BW2
CN90E2
OPEN
GND
ISOLATED
LINE FILTER PWB ASS'Y
LCA90143-08B(SMK-9268A)
NOTE
BW1 : QUY160-100Y
BW2 : QUY160-150Y

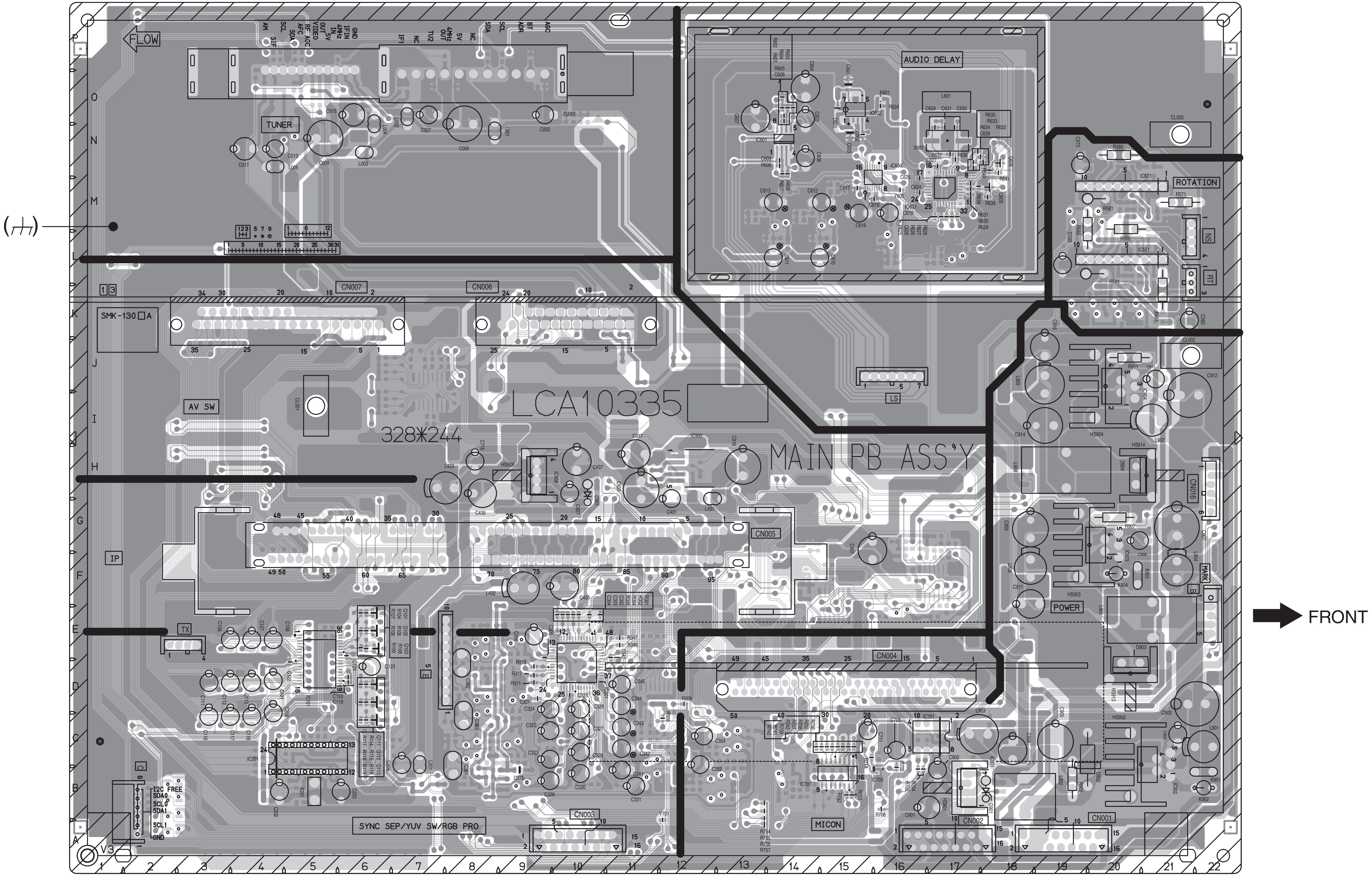
PATTERN DIAGRAMS [RECEIVER UNIT]

MAIN PWB PATTERN [SOLDER SIDE]



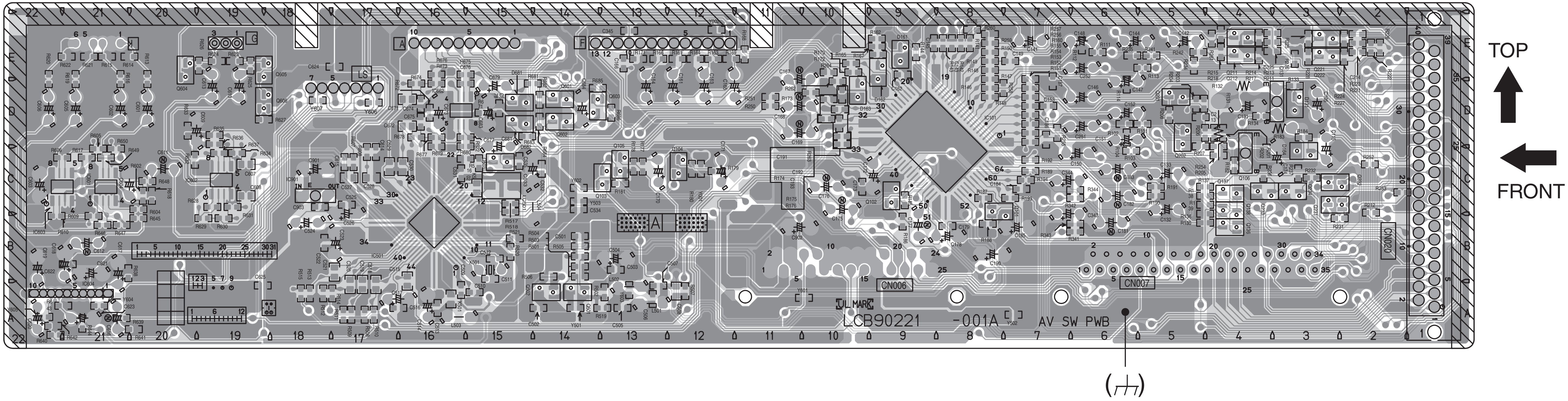
FRONT
AUDIO DELAY
TUNER
ROTATION
NS
RT
LS
CN006
CN007
AV SW
LCB10335 -001A
CN016
MARK
POWER
CN005
IP
CN004
TX
SYNC SEP/YUV SW/RGB PRO
MICON
CN001
CN002
CN003
I2C FREE
SDA0
SCL0
SDA1
SCL1
GND
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
22
21
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1

MAIN PWB PATTERN [PARTS SIDE]

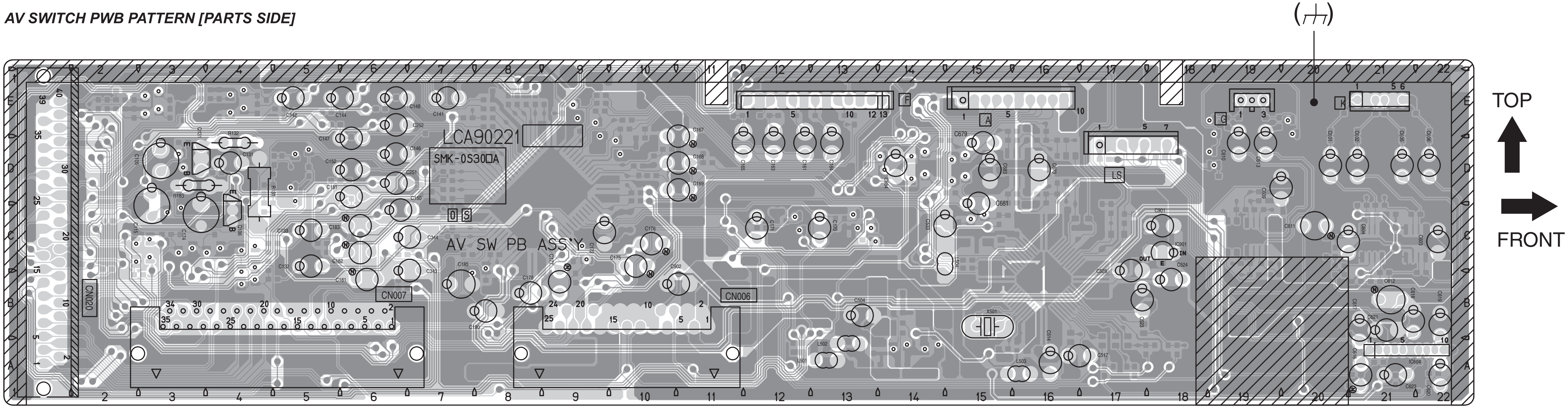


FLOW
TUNER
AUDIO DELAY
ROTATION
NS
RT
SMK-130□A
CN007
CN006
LCA10335
328✱244
MAIN PB ASS'Y
AV SW
LS
CN005
IP
TX
CN004
CN016
MARK
POWER
FRONT
SYNC SEP/YUV SW/RGB PRO
CN003
MICON
CN002
CN001
I2C FREE
SDA0
SCL0
SDA1
SCL1
GND
V3

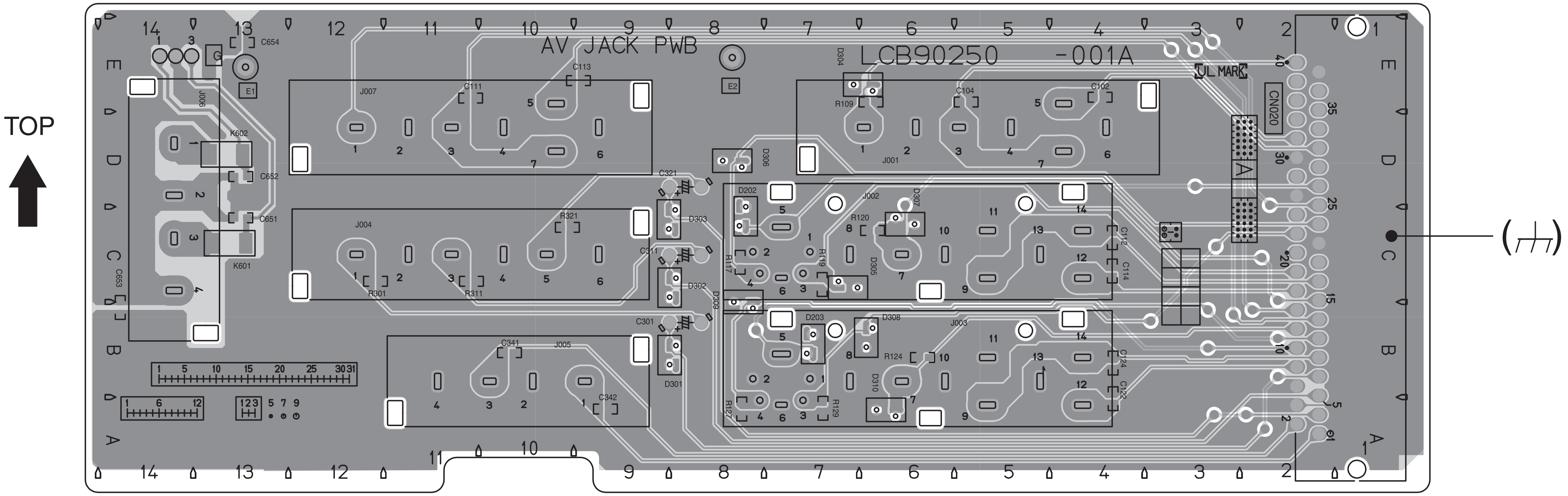
AV SWITCH PWB PATTERN [SOLDER SIDE]


LCB90221 -001A
AV SW PWB
CN006
CN007
CN020
UL MARK
TOP
FRONT
(⏚)

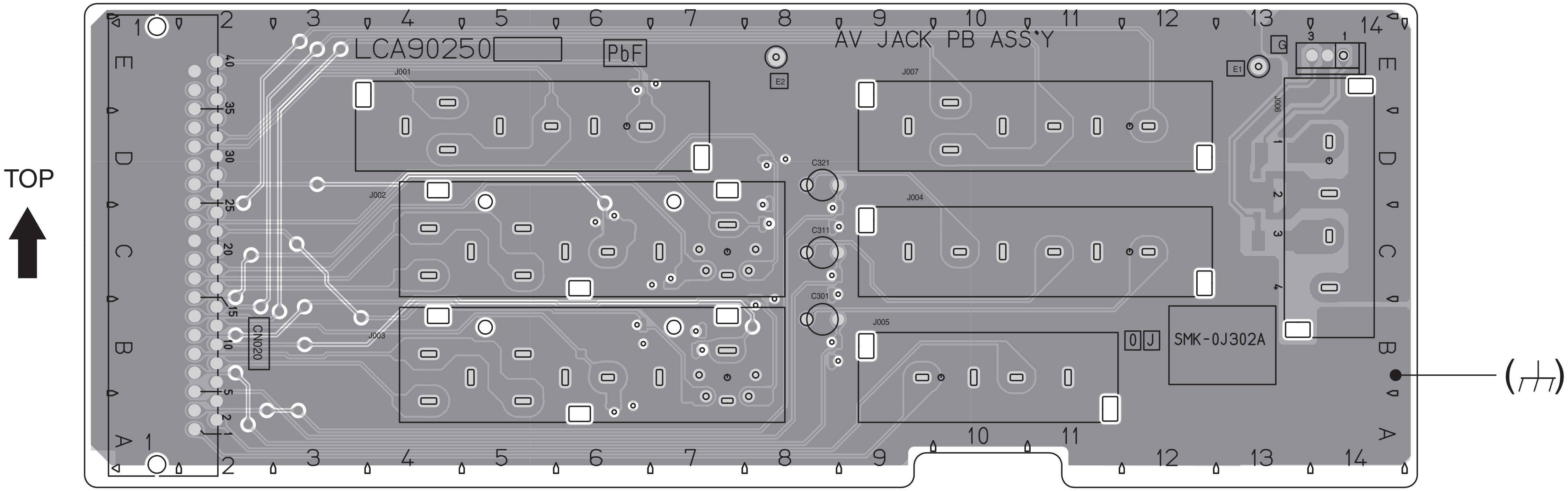
AV SWITCH PWB PATTERN [PARTS SIDE]


(⏚)
LCA90221
SMK-0S30□A
AV SW PB ASS'Y
CN006
CN007
CN020
LS
TOP
FRONT

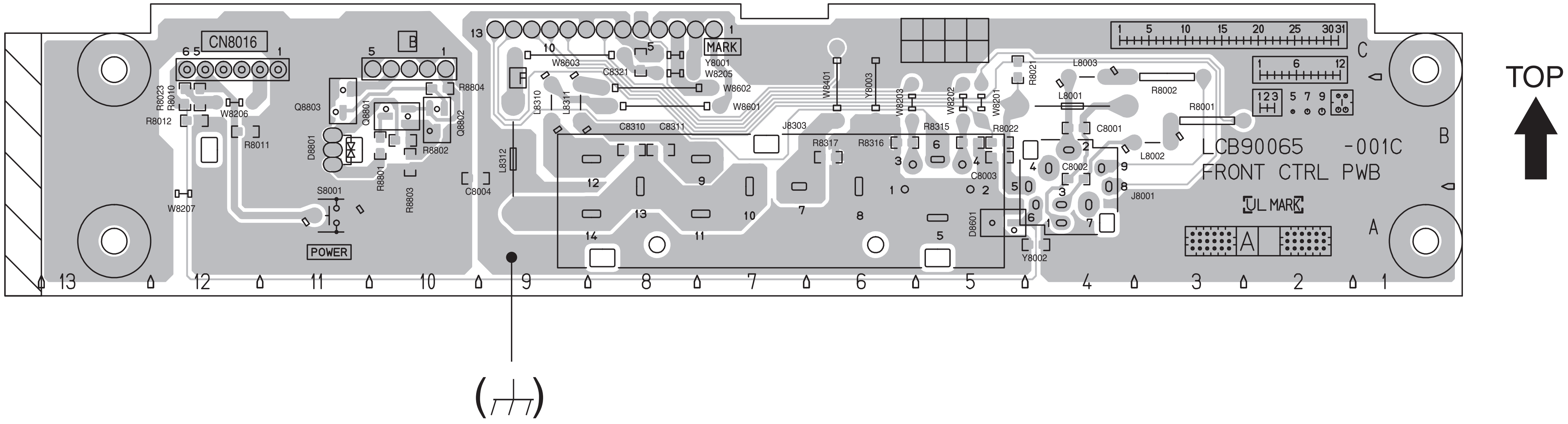
AV JACK PWB PATTERN [SOLDER SIDE]


TOP
AV JACK PWB
LCB90250 -001A
UL MARK
CN020
J001
J002
J003
J004
J005
J006
J007
K601
K602
C651
C652
C653
C654
E1
E2
D202
D203
D301
D302
D303
D304
D305
D306
D307
D308
D309
D310
R109
R117
R119
R120
R124
R127
R129
R301
R311
R321
C102
C104
C111
C113
C114
C118
C122
C124
C301
C311
C321
C341
C342

AV JACK PWB PATTERN [PARTS SIDE]

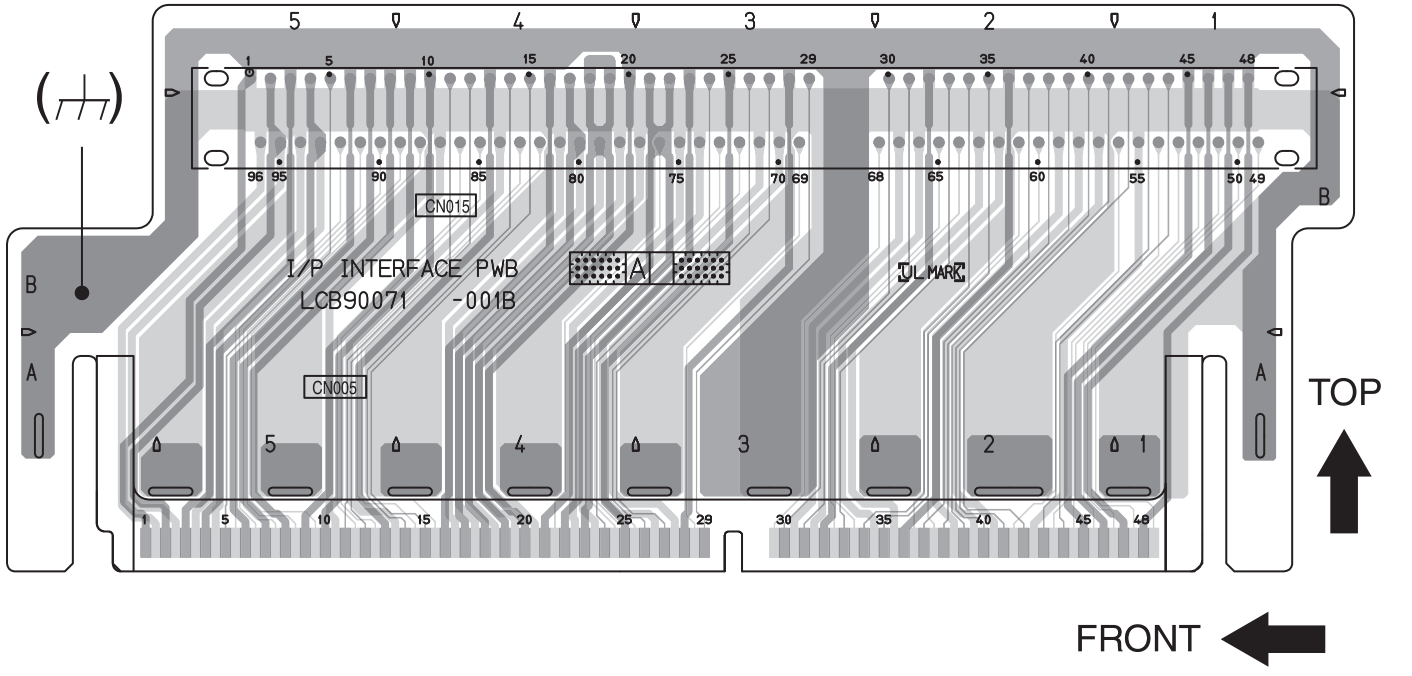

TOP
LCA90250
PbF
AV JACK PB ASS'Y
E1
E2
J001
J002
J003
J004
J005
J006
J007
C301
C311
C321
CN020
SMK-0J302A
0J

FRONT CONTROL PWB PATTERN



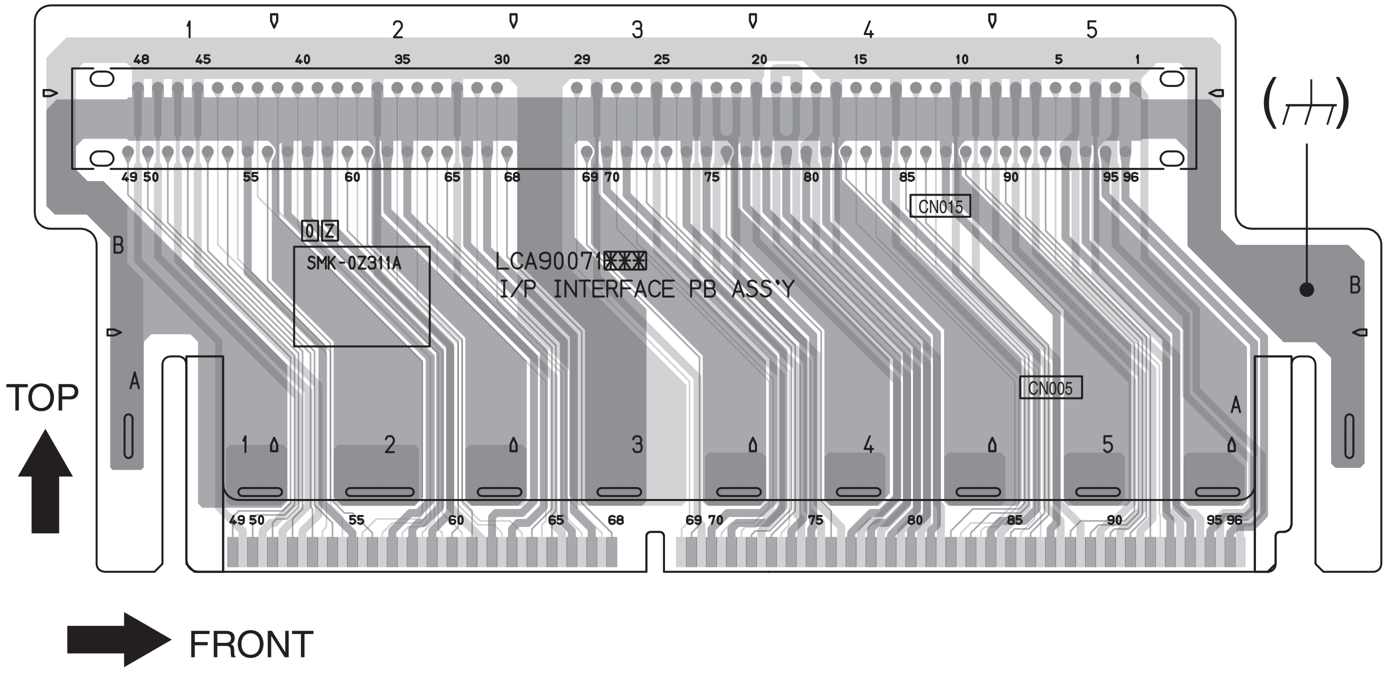
CN8016
MARK
POWER
S8001
Q8803
Q8801
Q8802
D8801
R8801
R8802
R8803
R8804
R8010
R8011
R8012
R8023
W8206
W8207
W8603
W8602
W8601
W8205
W8401
W8203
W8202
W8201
Y8001
Y8003
Y8002
C8321
C8310
C8311
C8004
C8001
C8002
C8003
L8310
L8311
L8312
L8001
L8002
L8003
J8303
J8001
R8317
R8316
R8315
R8022
R8021
R8001
R8002
D8601
LCB90065 -001C
FRONT CTRL PWB
UL MARK
A
B
C
TOP
13
12
11
10
9
8
7
6
5
4
3
2
1

DIST RELAY PWB PATTERN [SOLDER SIDE]



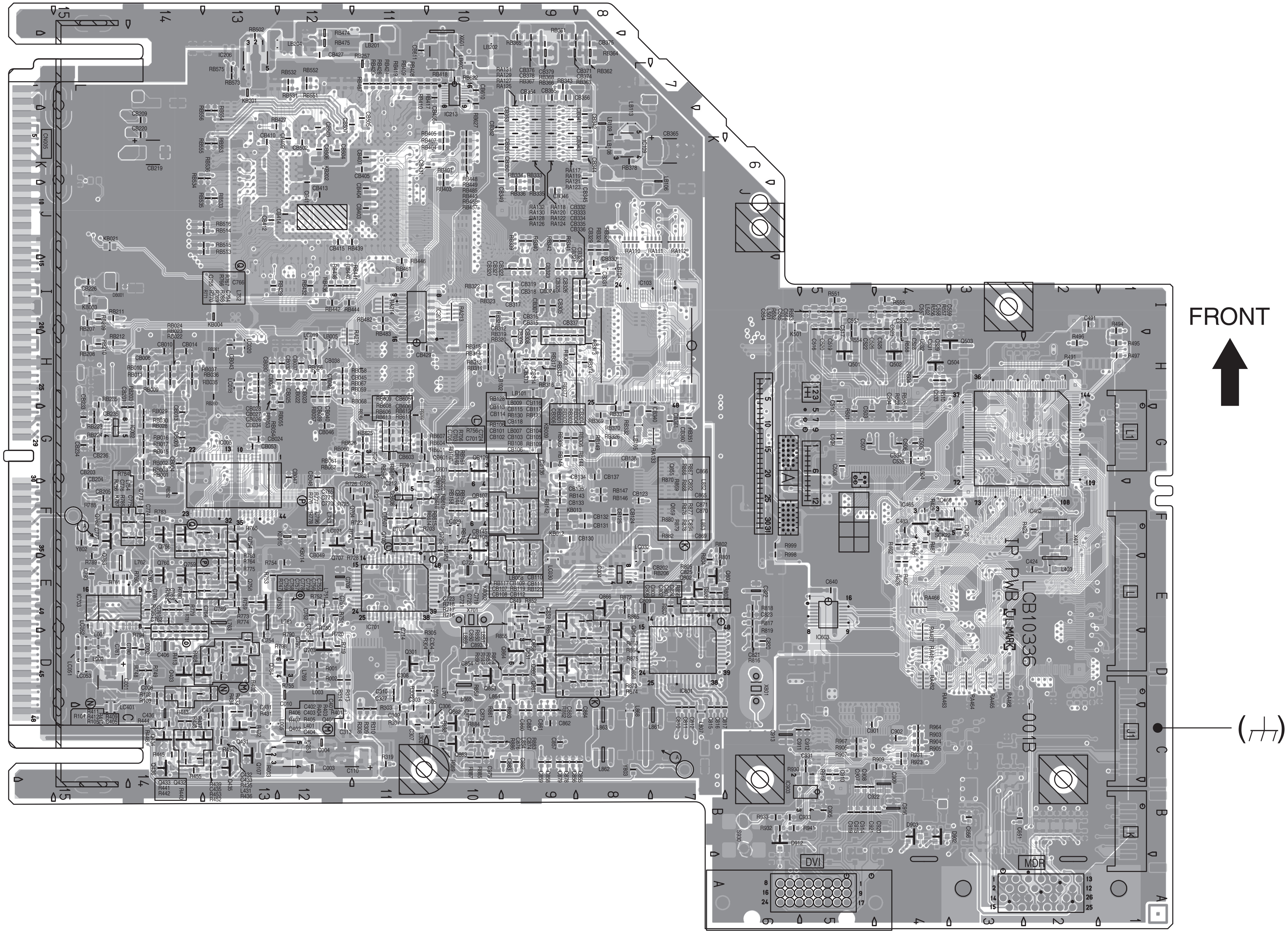
CN015
CN005
I/P INTERFACE PWB
LCB90071 -001B
UL MARK
A
B
TOP
FRONT
5
4
3
2
1

DIST RELAY PWB PATTERN [PARTS SIDE]

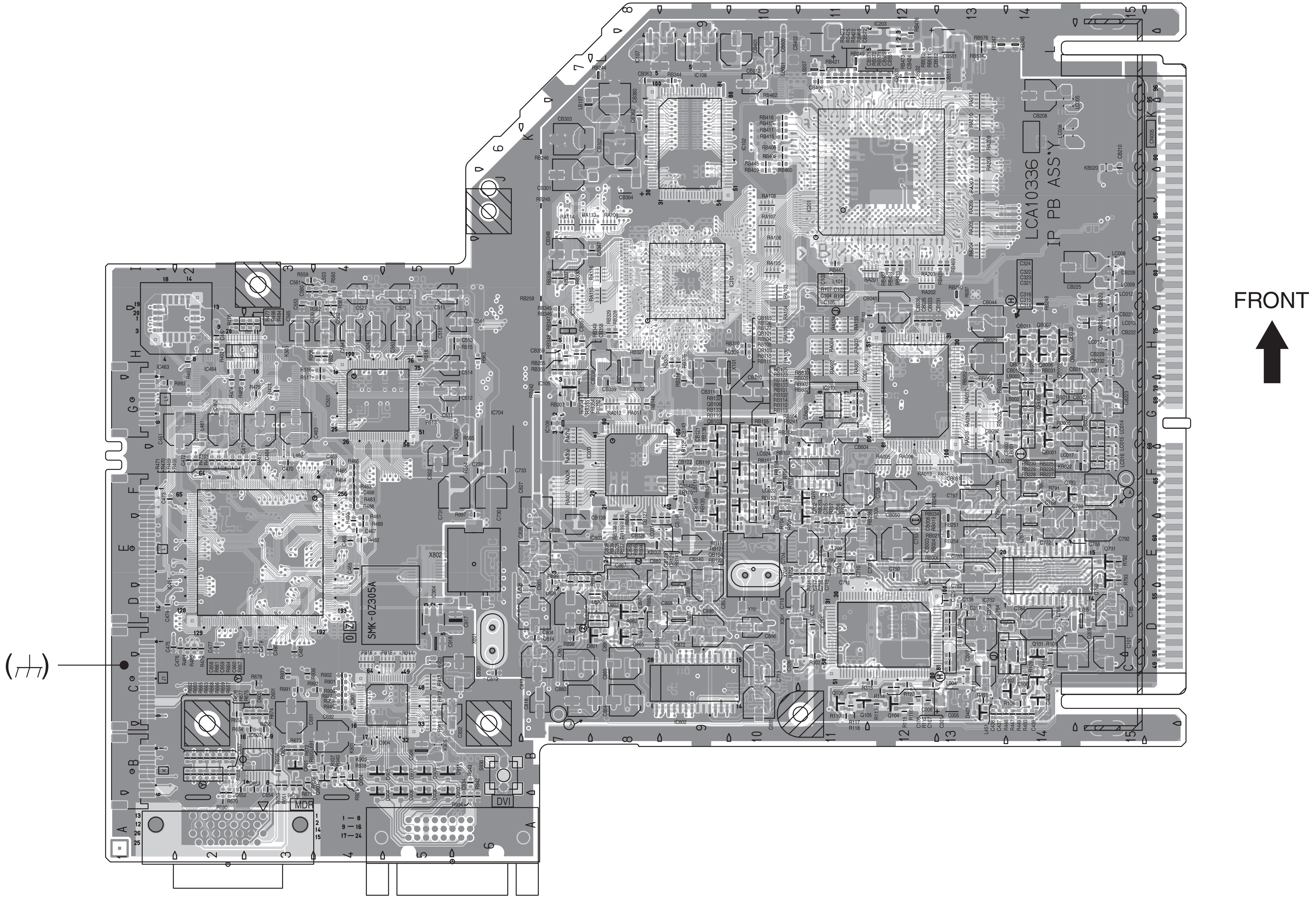


CN015
CN005
SMK-0Z311A
LCA90071
I/P INTERFACE PB ASS'Y
A
B
TOP
FRONT
1
2
3
4
5

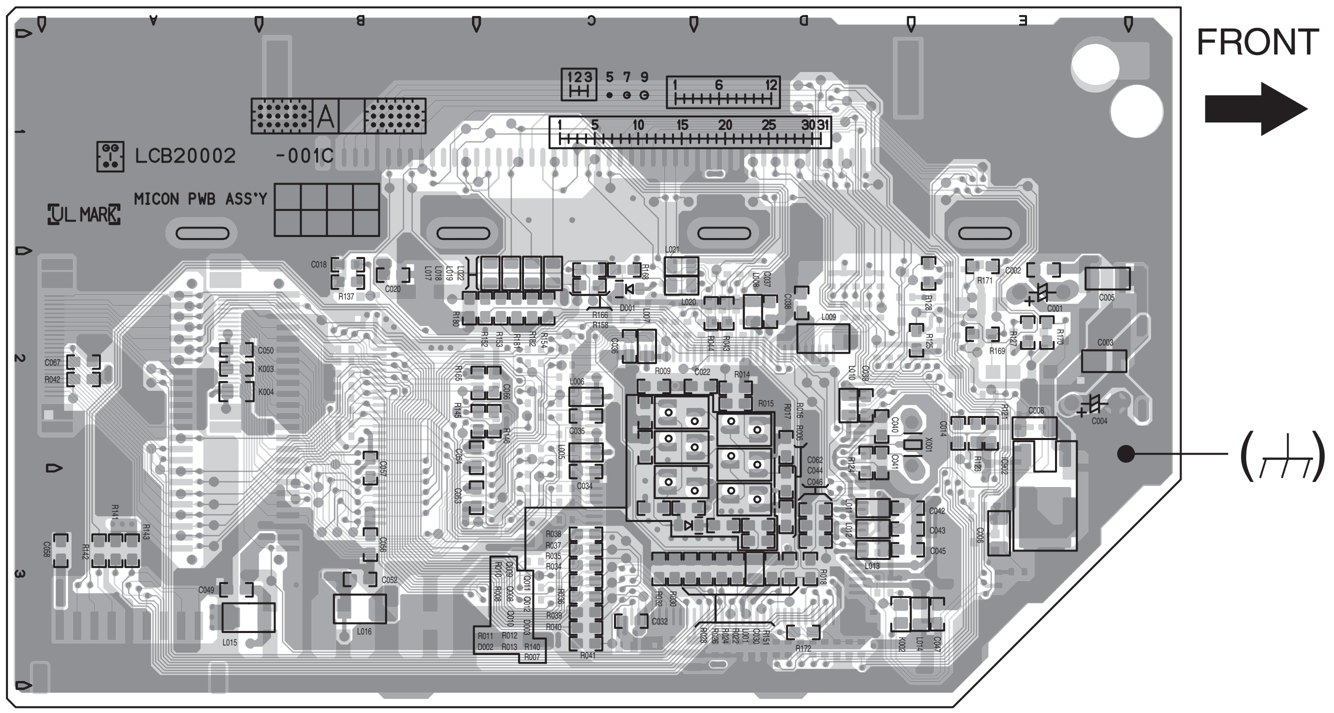
DIST PWB PATTERN [SOLDER SIDE]


FRONT
LCB10336-001B
TP PWB UL MARK
DVI
MDR
IC103
IC701
IC801
IC603
CN005

DIST PWB PATTERN [PARTS SIDE]

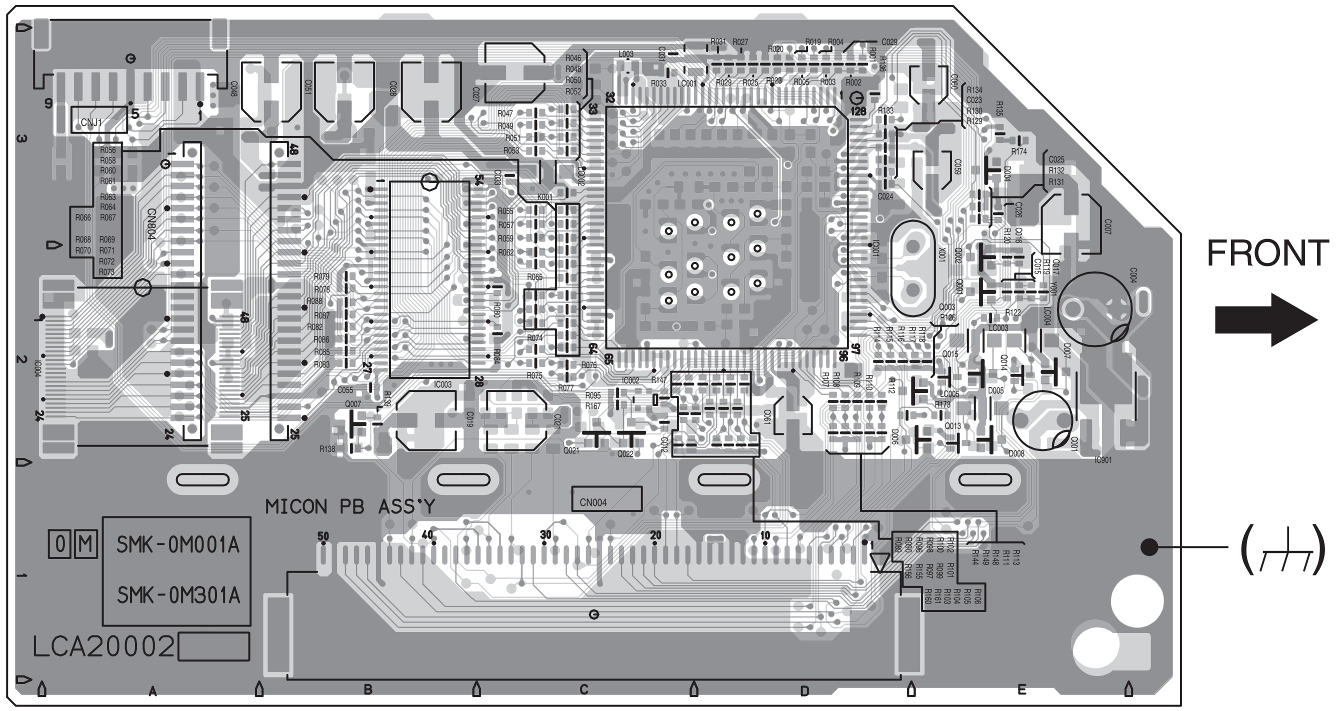

FRONT
LCA10336
IP PB ASS'Y
SMK-0Z305A
MDR
DVI

MI-COM PWB PATTERN [SOLDER SIDE]



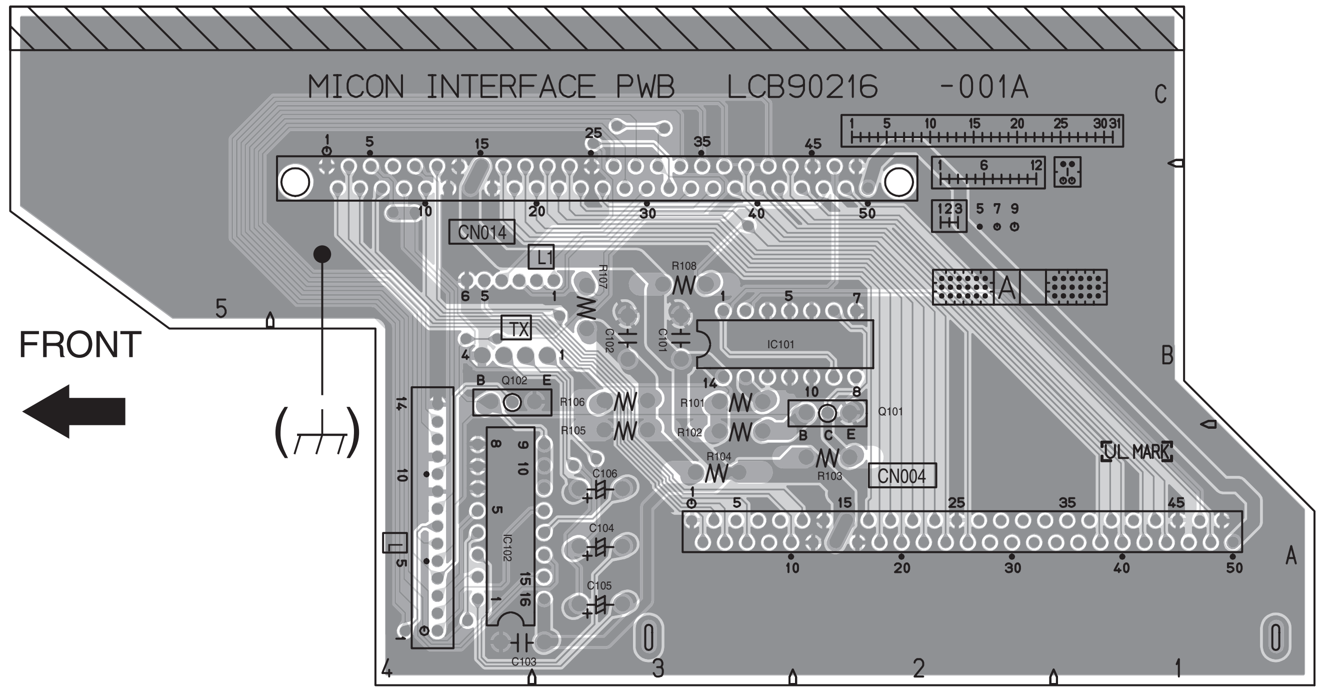
LCB20002 -001C
MICON PWB ASS'Y
UL MARK
A
FRONT
(⏚)

MI-COM PWB PATTERN [PARTS SIDE]



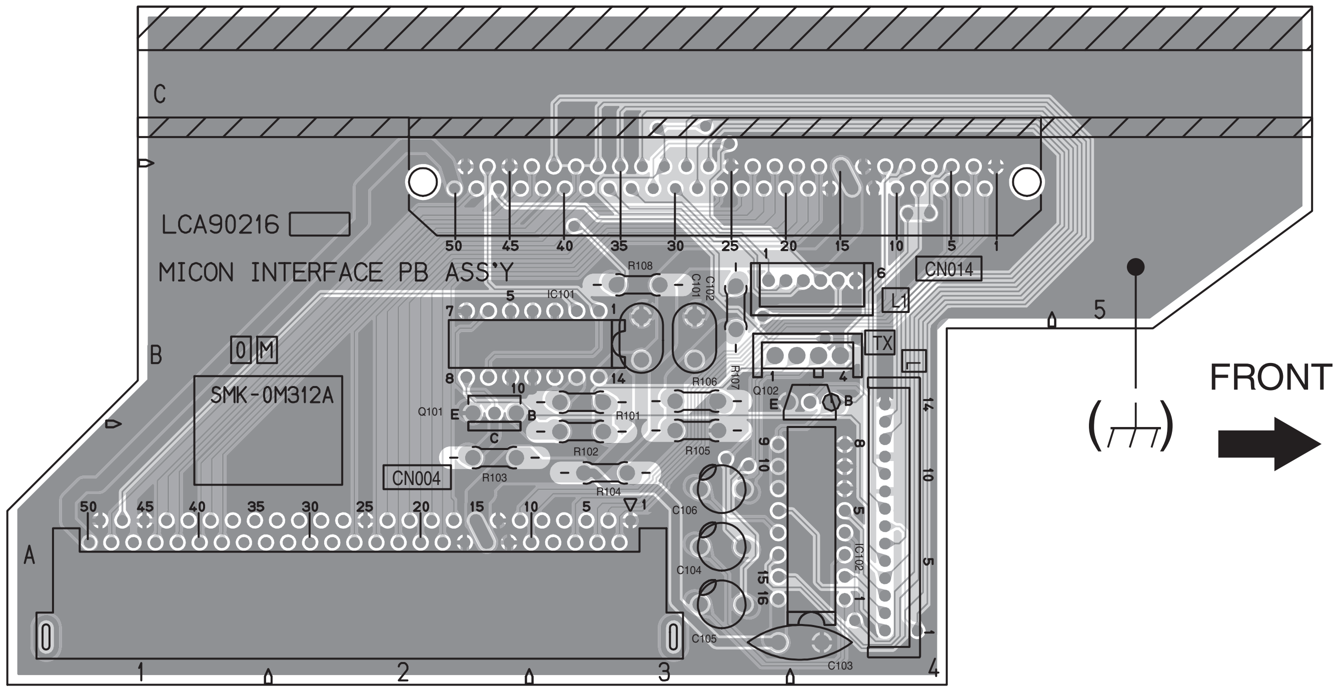
FRONT
(⏚)
MICON PB ASS'Y
CN004
OM
SMK-0M001A
SMK-0M301A
LCA20002
A
B
C
D
E

MI-COM INTERFACE PWB PATTERN [SOLDER SIDE]



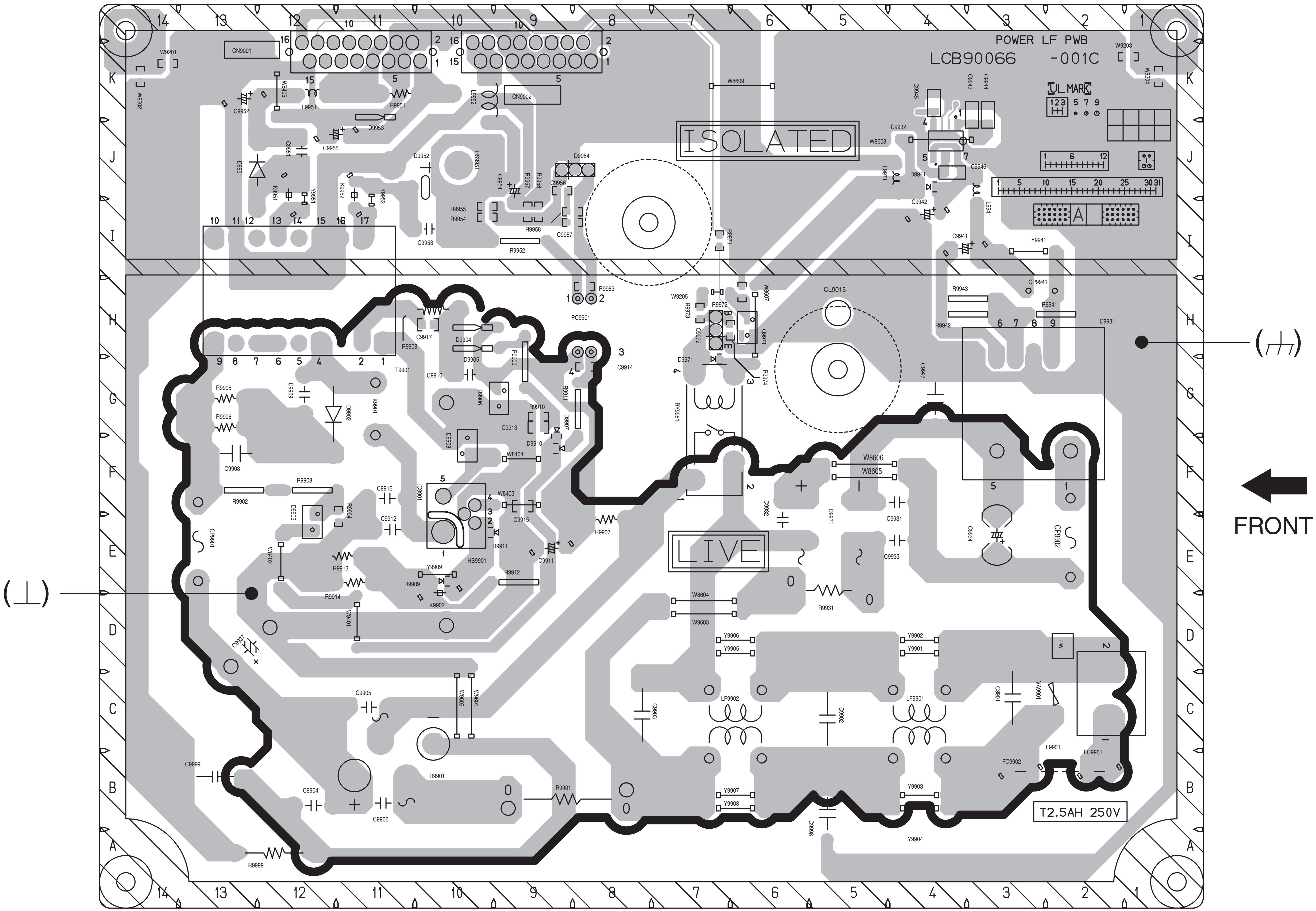
MICON INTERFACE PWB LCB90216 -001A
FRONT
(⏚)
CN014
CN004
IC101
IC102
Q101
Q102
TX
L1
UL MARK
A
B
C
1
2
3
4
5

MI-COM INTERFACE PWB PATTERN [PARTS SIDE]



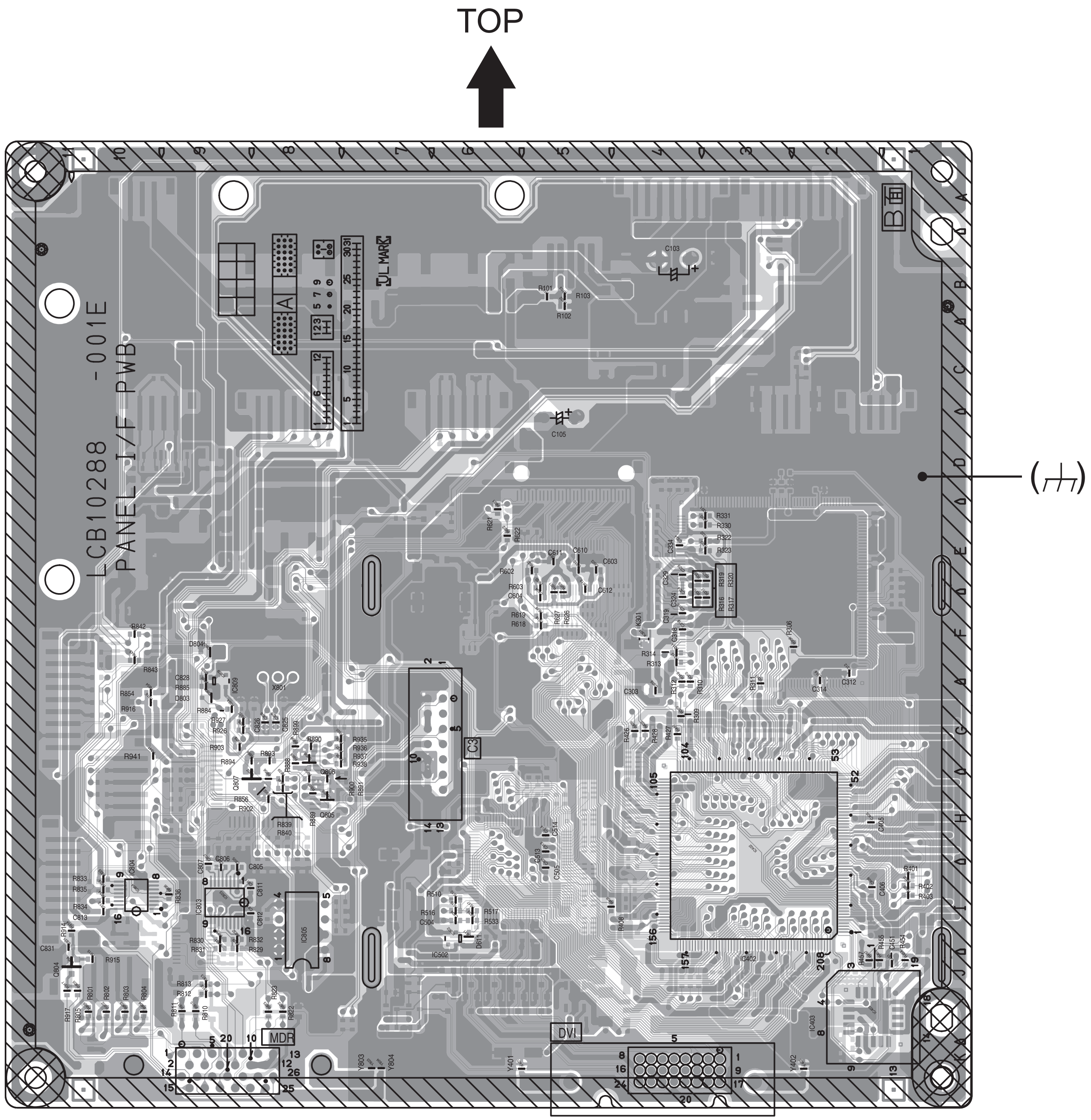
LCA90216
MICON INTERFACE PB ASS'Y
OM
SMK-0M312A
CN014
CN004
IC101
IC102
Q101
Q102
TX
L1
FRONT
(⏚)
A
B
C
1
2
3
4
5

RECEIVER POWER PWB PATTERN

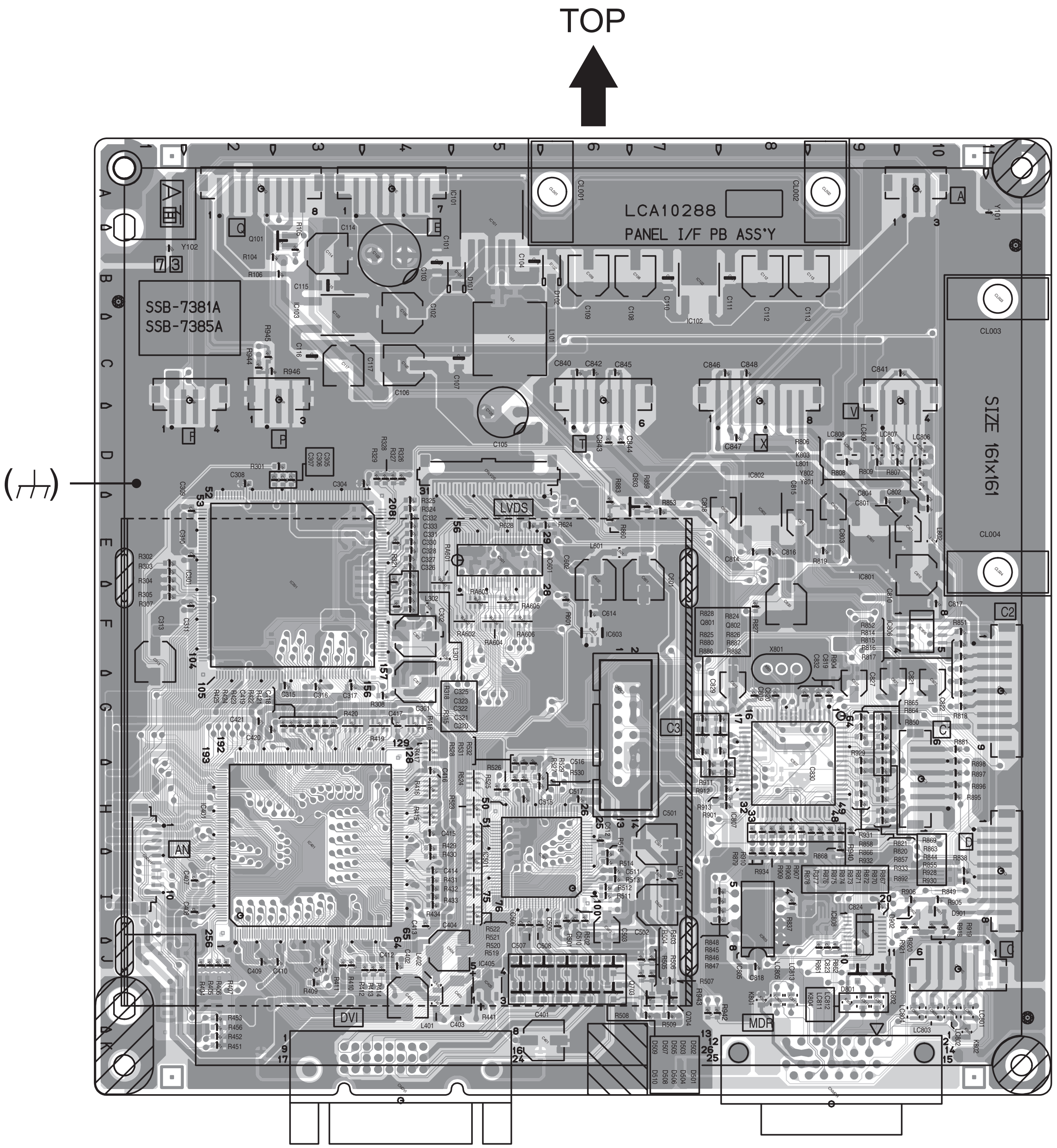

POWER LF PWB
LCB90066 -001C
ISOLATED
LIVE
T2.5AH 250V
FRONT
(⊥)
UL MARK
CN9001
CN9002
W9201
W9202
W9203
W9204
W8405
W8609
W8608
W8607
W9205
L9951
L9952
R9951
D9953
C9952
C9955
C9951
D9951
K9951
Y9951
K9952
Y9952
D9952
HS9951
C9954
R9957
R9956
D9954
C9956
R9955
R9954
R9958
C9957
C9953
R9952
R9953
PC9901
R9971
R9972
R9973
Q9972
Q9971
D9971
R9974
RY9951
CL9015
C9945
C9943
C9944
IC9932
L9971
D9941
C9946
C9942
L9941
C9941
Y9941
CP9941
R9943
R9941
R9942
IC9931
C9997
T9901
C9917
D9904
D9905
R9908
R9909
C9910
C9914
R9905
R9906
C9909
D9902
K9901
D9906
R9910
D9907
R9911
C9913
D9908
D9910
W8404
C9908
R9903
R9902
D9903
R9904
C9916
IC9901
W8403
C9915
C9912
D9911
HS9901
C9911
R9907
CP9901
W8402
R9913
R9914
Y9909
D9909
K9902
R9912
W9401
C9907
W8606
W8605
C9932
D9931
C9931
C9933
C9934
CP9902
W8604
W9603
R9931
Y9906
Y9905
Y9902
Y9901
PW
C9905
W9602
W9601
C9903
LF9902
C9902
LF9901
C9901
VA9901
F9901
FC9902
FC9901
C9999
D9901
C9904
C9906
R9901
Y9907
Y9908
Y9903
C9998
Y9904
R9999
A
B
C
D
E
F
G
H
I
J
K
1
2
3
4
5
6
7
8
9
10
11
12
13
14

PATTERN DIAGRAMS [DISPLAY UNIT]

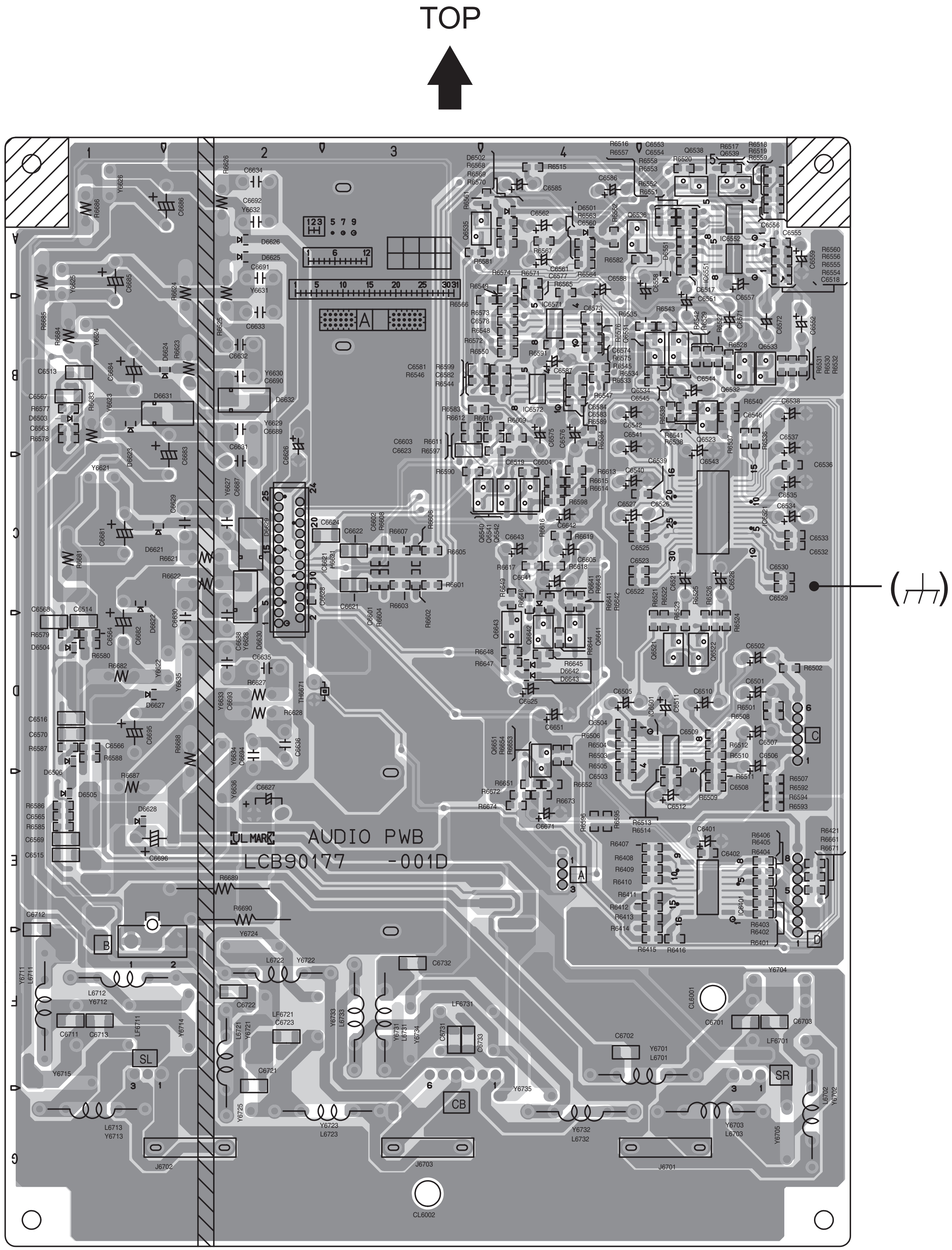
DISPLAY INTERFACE PWB PATTERN [SOLDER SIDE]


TOP
LCB10288 -001E
PANEL I/F PWB
(⏚)
C3
MDR
DVI

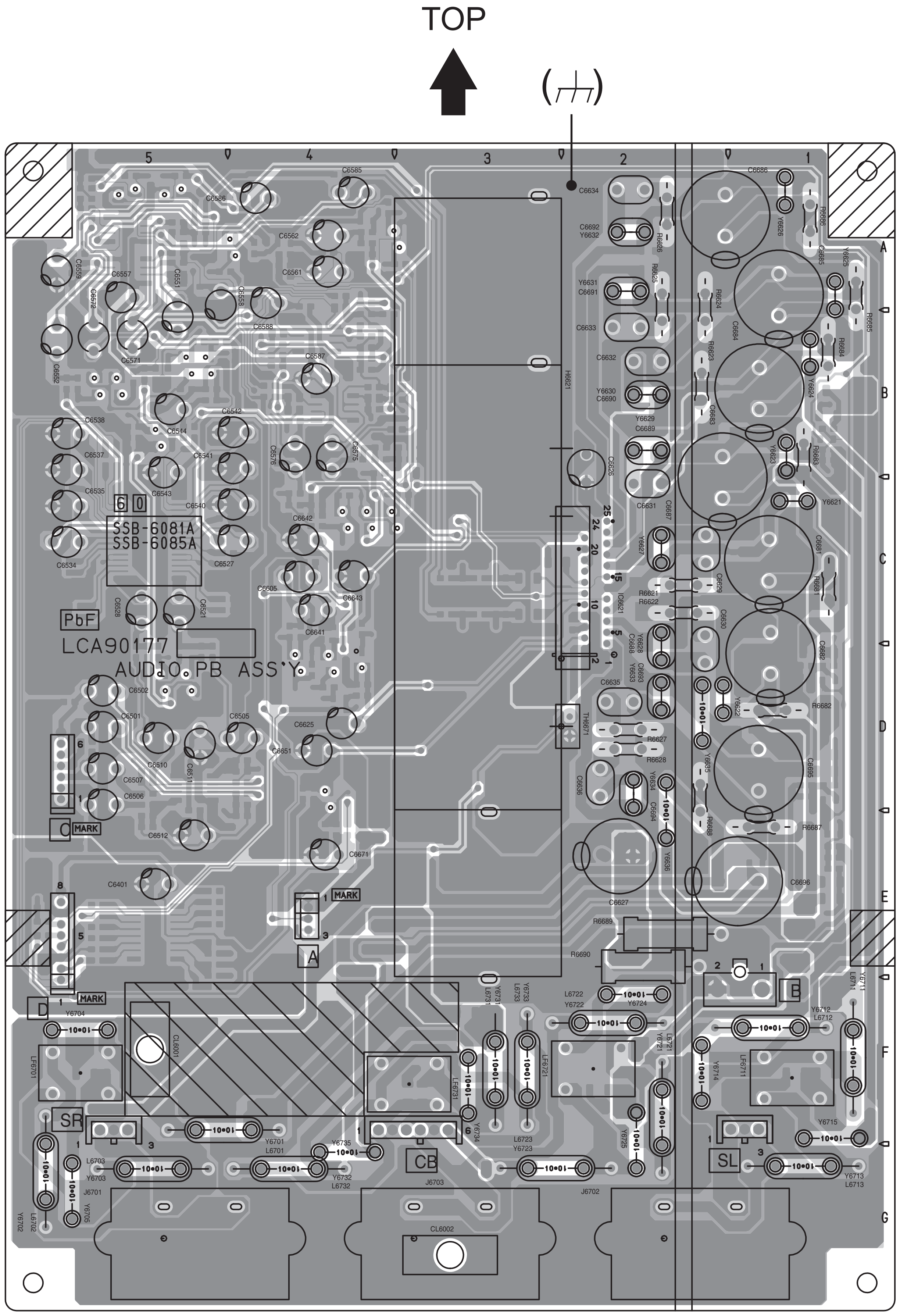
DISPLAY INTERFACE PWB PATTERN [PARTS SIDE]


TOP
LCA10288
PANEL I/F PB ASS'Y
SSB-7381A
SSB-7385A
SIZE 161x161
(⏚)
LVDS
C3
C2
AN
MDR
DVI

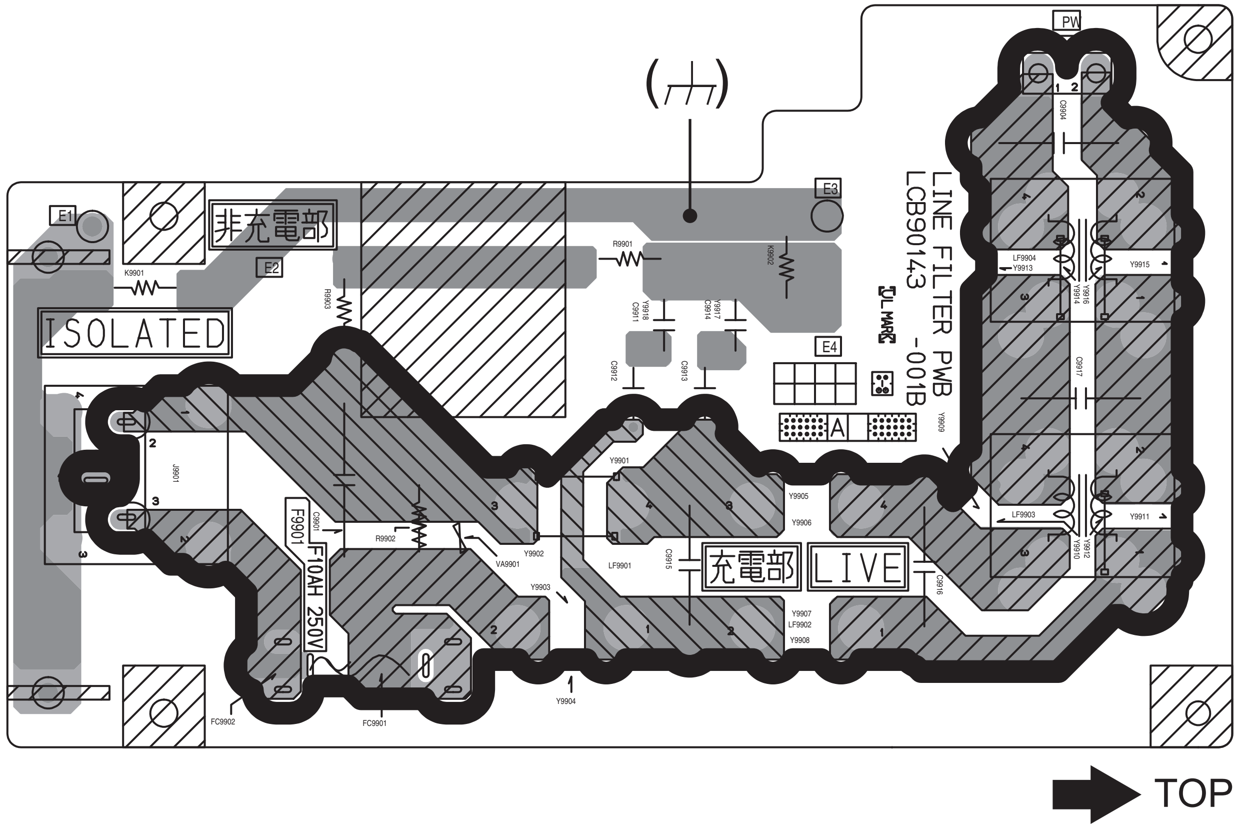
AUDIO PWB PATTERN [SOLDER SIDE]


TOP
UL MARK
AUDIO PWB
LCB90177 -001D
A
B
C
D
SL
SR
CB

AUDIO PWB PATTERN [PARTS SIDE]

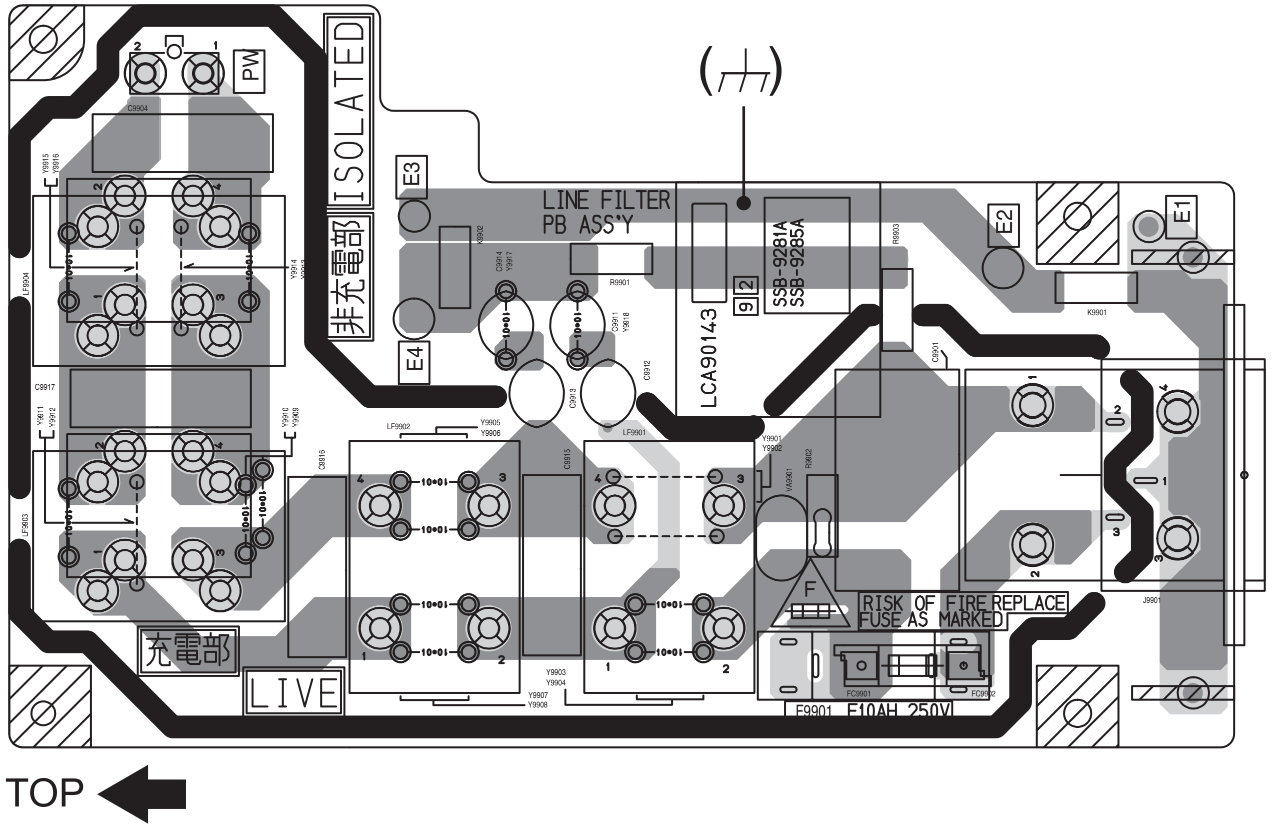

TOP
SSB-6081A
SSB-6085A
PbF
LCA90177
AUDIO PB ASS'Y
MARK
A
B
C
D
SL
SR
CB

LINE FILTER PWB PATTERN [SOLDER SIDE]



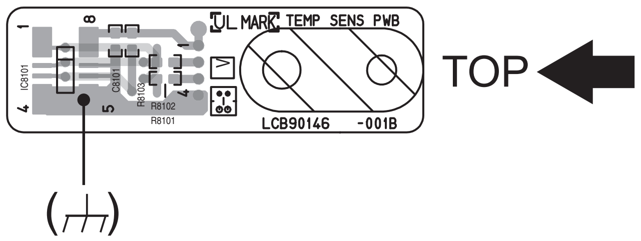
PW
LINE FILTER PWB
LCB90143 -001B
E1
E2
E3
E4
非充電部
ISOLATED
充電部
LIVE
F9901
F10AH 250V
A
TOP

LINE FILTER PWB PATTERN [PARTS SIDE]



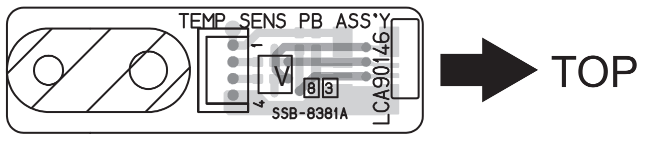
PW
ISOLATED
非充電部
E3
E4
E2
E1
LINE FILTER
PB ASS'Y
LCA90143
SSB-9281A
SSB-9285A
充電部
LIVE
RISK OF FIRE REPLACE
FUSE AS MARKED
F9901 F10AH 250V
TOP

TEMP. SENSOR PWB PATTERN [SOLDER SIDE]



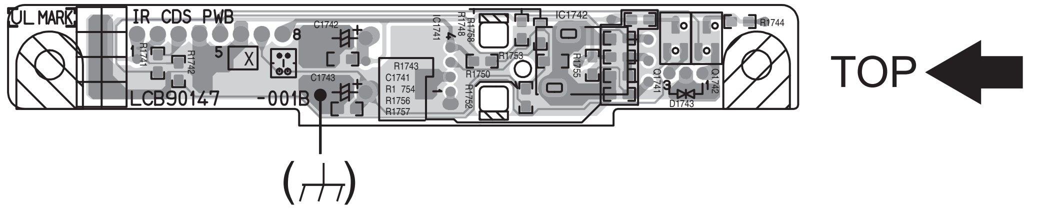
TEMP SENS PWB
LCB90146 -001B
IC8101
R8102
R8101
TOP

TEMP. SENSOR PWB PATTERN [PARTS SIDE]



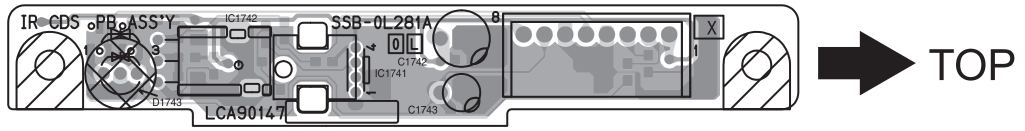
TEMP SENS PB ASS'Y
SSB-8381A
LCA90146
TOP

DISPLAY LED PWB PATTERN [SOLDER SIDE]



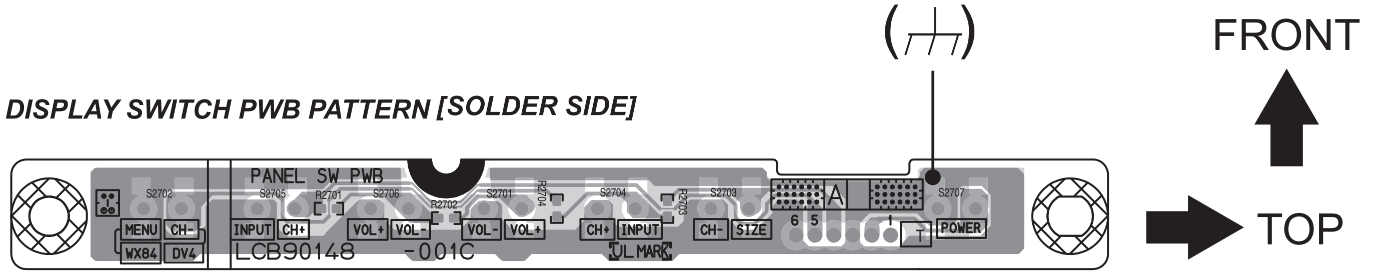
IR CDS PWB
LCB90147 -001B
IC1742
C1742
C1743
R1743
C1741
D1743
D1744
TOP

DISPLAY LED PWB PATTERN [PARTS SIDE]



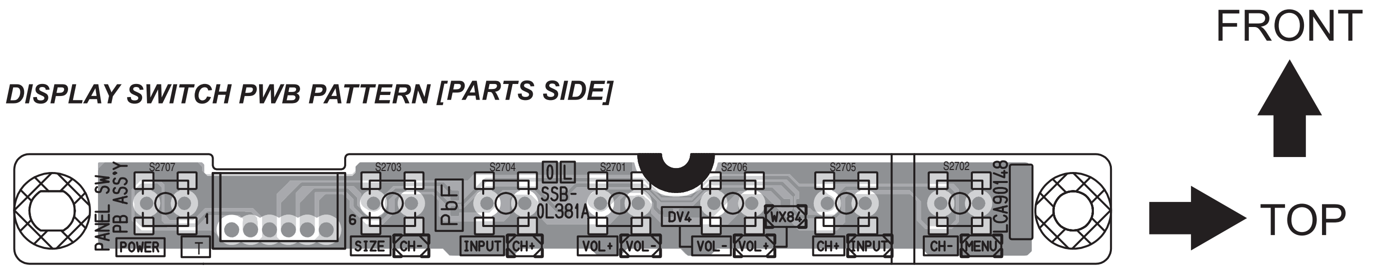
IR CDS PB ASS'Y
SSB-0L281A
LCA90147
IC1742
C1742
IC1741
D1743
C1743
TOP

DISPLAY SWITCH PWB PATTERN [SOLDER SIDE]



FRONT
PANEL SW PWB
LCB90148 -001C
S2702
S2705
S2706
S2701
S2704
S2703
S2707
MENU
CH-
WX84
DV4
INPUT
CH+
VOL+
VOL-
SIZE
POWER
A
TOP

DISPLAY SWITCH PWB PATTERN [PARTS SIDE]



FRONT
PANEL SW PB ASS'Y
SSB-0L381A
LCA90148
S2707
S2703
S2704
S2701
S2706
S2705
S2702
POWER
SIZE
CH-
INPUT
CH+
VOL+
VOL-
DV4
WX84
MENU
PbF
TOP

VOLTAGE CHART [RECEIVER UNIT]

<MAIN PWB>

[P.2-7 – P.2-8]

PIN NO.	VOLTAGE(V)
Q001	
E	2.2
C	9.0
B	2.8
TU001	
1	3.8
2	6.4
3	0
4	4.5
5	4.5
6	0
7	5.0
8	0
9	32.6
10	0
11	4.4
12	0
13	9.0
14	1.7
15	0
16	4.0
17	3.8
18	3.8
19	0
20	3.8
21	0
22	9.0
3	0.2
4	0
5	0.3
6	0.3
7	0.2
8	3.3
IC908	
1	5.1
2	3.5
3	0
4	2.6
Q101	
E	3.8
C	9.1
B	4.4
Q102	
E	3.8
C	9.1
B	4.4
Q103	
E	3.7
C	9.1
B	4.4
Q111	
E	3.6
C	9.1
B	4.2
Q112	
E	3.6
C	9.1
B	4.2
Q113	
E	3.6
C	9.1
B	4.2
8	0
9	0
10	0
11	5.2
12	5.2
13	4.2
14	4.4
15	4.4
16	5.2
IC902	
1	20.7
2	9.2
3	0
4	9.0
5	2.4
IC903	
1	20.6
2	5.3
3	0
4	5.0
5	2.4
IC904	
1	20.6
2	3.4
3	0
4	3.3
5	2.4
IC905	
1	3.3
2	3.3
3	2.6
4	1.3
5	0

[P2-9 – P.2-10]

PIN NO.	VOLTAGE(V)
IC101	
1	4.4
2	4.4
3	4.5
4	4.7
5	4.6
6	4.5
7	4.5
8	4.5
9	4.7
10	4.7
11	9.1
12	4.5
13	4.5
14	4.5
15	4.6
16	4.6
17	4.5
18	4.5
19	4.5
20	4.7
21	4.7
22	0
23	4.7
24	4.7
25	4.3
26	4.3
27	4.2
28	9.1
29	4.7
30	4.7
31	4.4
32	4.4
33	4.4
34	0
35	4.5
36	4.5
IC201	
1	0.4
2	0.2
3	0.4
4	0.2
5	0
6	6.3
7	5.0
8	9.0
9	1.3
10	0
11	0
12	0
13	0.3
14	0
15	0.3
16	4.5
17	4.5
18	0
19	2.1
20	5.1
21	2.1
22	0.2
23	0.2
24	0.7
IC202	
1	0.3
2	0.3

[P.2-11 – P.2-12]

PIN NO.	VOLTAGE(V)
IC402	
1	3.9
2	0
3	0.6
4	0
5	0.6
6	3.3
7	0
8	0
9	0.6
10	0
11	0.6
12	0
13	0.6
14	3.3

[P.2-13 – P.2-14]

PIN NO.	VOLTAGE(V)
IC701	
1	0
2	0
3	0
4	0
5	3.3
6	3.3
7	0
8	3.3
IC703	
1	0
2	0
3	4.7
4	4.7
IC706	
1	0
2	0
3	0
4	3.2
5	4.7
6	0
7	0
8	0
9	0
10	0
11	0
12	5.1
13	4.1
14	4.5
15	4.6
16	5.1
IC707	
1	5.2
2	0
3	0
4	5.2
5	5.2
6	5.2
7	5.2

<AV SWITCH PWB>

[P.2-15 – P.2-16]

PIN NO.	VOLTAGE(V)
IC101	
1	4.0
2	4.5
3	4.0
4	4.5
5	4.5
6	6.8
7	8.0
8	4.0
9	4.5
10	4.0
11	4.5
12	4.5
13	6.8
14	8.0
15	4.3
16	4.5
17	4.0
18	4.5
19	4.5
20	6.8
21	0
22	4.0
23	4.5
24	4.0
25	4.5
26	4.5
27	0.1
28	8.0
29	4.5
30	4.0
31	4.5
32	0
33	4.5
34	4.6
35	0
36	2.0
37	4.5
38	4.5
39	3.8
40	4.5
41	4.5
42	9.0
43	4.5
44	4.4
45	4.5
46	3.8
47	4.4
48	0
49	4.9
50	4.5
51	4.5
52	4.5
53	4.5
54	4.5
55	3.8
56	4.1
57	0
58	4.3
59	4.5
60	4.0
61	4.5
62	4.5
63	5.1
64	4.5
IC501	
1	5.1
2	1.5
3	1.5
4	0
5	2.5
6	2.4
7	0.7
8	0
9	0
10	2.6
11	5.2
12	4.4
13	4.5
14	1.1
15	1.1
16	1.0
17	1.0
18	1.0
19	5.1
20	0
21	1.0
22	5.1
23	0.6
24	0.5
25	0
26	0.1
27	0.1
28	0.3
29	0
30	3.8
31	3.8
32	0
33	8.0
34	7.0
35	0
36	3.8
37	3.8
38	3.8
39	0
40	3.8
41	3.8
42	2.6
43	3.8
44	0
IC601	
1	4.6
2	4.6
3	0
4	0
5	4.5
6	4.5
7	4.5
8	9.1
IC602	
1	4.5
2	4.5
3	4.4
4	0
5	4.5
6	4.5
7	4.5
8	9.0
IC603	
1	4.5
2	4.5
3	0
4	0
5	4.5
6	4.5
7	4.5
8	9.0
IC662	
1	4.5
2	4.5
3	4.5
4	0
5	4.5
6	4.5
7	4.5
8	9.0
IC901	
1	9.1
2	8.0
3	0
Q101	
E	3.5
C	9.0
B	4.1
Q102	
E	3.7
C	9.1
B	4.4
Q103	
E	-0.2
C	-0.2
B	0
Q104	
E	0
C	0
B	-0.2
Q105	
E	0
C	0
B	-0.2
Q106	
E	3.8
C	9.1
B	4.5
Q131	
E	4.6
C	0
B	3.9
Q136	
E	0
C	0
B	-0.1
Q137	
E	0
C	0
B	-0.1
Q138	
E	-0.1
C	-0.1
B	0
Q501	
E	2.2
C	6.6
B	2.9
Q502	
E	6.0
C	9.0
B	6.6
Q503	
E	0
C	5.1
B	0
Q601	
E	0
C	0
B	-0.3
Q602	
E	0
C	0
B	-0.3
Q603	
E	0.2
C	-0.2
B	0
Q604	
E	0
C	0
B	-0.3
Q605	
E	0
C	0
B	-0.2
Q606	
E	-0.4
C	-0.2
B	0

<DIST PWB>

[P.2-21 – P.2-22]

PIN NO.	VOLTAGE(V)
IC001	
1	1.3
2	1.4
3	1.5
4	1.5
5	1.6
6	1.5
7	0
8	0.9
9	0.9
10	3.3
11	2.6
12	1.3
13	1.9
14	0
15	4.4
16	0
17	0
18	0
19	0
20	0
21	0
22	3.5
23	3.5
24	3.5
25	0
26	3.5
27	3.5
28	0
29	0
30	2.1
31	0
32	2.4
33	1.0
34	0.2
35	1.7
36	0.9
37	3.5
38	2.4
39	1.1
40	1.7
41	1.8
42	1.7
43	0
44	3.5
45	0
46	0
47	0
48	3.3
49	0.2
50	0
51	0
52	2.9
53	3.3
54	1.5
55	0
56	0
57	0
58	0
59	1.0
60	2.2
61	2.2
62	2.2
63	2.1
64	2.2
65	1.7
66	1.6
67	3.3
68	0.9
69	0.9
70	1.2
71	1.2
72	1.5
73	1.9
74	1.8
75	1.6
76	1.6
77	1.5
78	0
79	0
80	0
81	2.6
82	2.4
83	2.9
84	3.0
85	5.1
86	2.9
87	2.9
88	2.9
89	2.0
90	0
91	2.2
92	2.5
93	2.7
94	2.5
95	5.1
96	2.0
97	2.0
98	1.3
99	1.5
100	0
IC002	
1	0.2
2	0.2
3	0.1
4	0
5	0
6	0.2
7	0.2
8	3.2
IC003	
1	0
2	3.3
3	3.3
4	3.3
5	3.3
6	3.3
7	3.3
8	3.3
9	3.3
10	0
11	3.3
12	3.3
13	3.3
14	3.3
15	3.3
16	3.3
17	3.3
18	3.3
19	3.3
20	0
21	0
22	3.3
23	3.3
24	0
25	0
26	3.5
27	3.5
28	0
29	0
30	0.2
31	0
32	0
33	3.5
34	3.5
35	3.5
36	0
37	0.2
38	0.2
39	3.5
40	0
41	0
42	3.5
43	0
44	0
45	3.5
46	3.5
47	0
48	0
49	0.3
50	0
51	3.5
52	3.5
53	0
54	0
55	3.5
56	3.2
57	3.2
58	1.2
59	3.5
60	0
61	0
62	3.5
63	0
64	3.2
65	0.2
66	0
67	1.5
68	0
69	3.3
70	3.3
71	3.3
72	3.3
73	3.3
74	3.3
75	3.3
76	3.3
77	3.3
78	3.3
79	3.3
80	0
IC004	
1	0.2
2	0
3	0.1
4	0
5	0
6	0
7	0.2
8	3.2
IC005	
1	5.0
2	2.0
3	3.4
4	2.7
5	3.5
6	5.0
7	3.4
8	3.3
9	3.1
10	1.5
13	0
14	0
15	1.9
16	1.3
17	0
18	0.9
19	0.9
20	1.5
21	1.5
22	5.0
23	0
24	1.6
25	1.4
26	1.5
27	1.4
28	1.3
29	0
30	2.6
31	2.6
32	0
35	0.9
36	1.4
37	1.5
38	1.9
39	0
40	3.2
41	2.4
42	2.6
43	2.3
44	0
QB001	
E	4.2
C	9.1
B	4.8
QB002	
E	1.9
C	8.5
B	2.4
QB003	
E	9.1
C	2.4
B	8.5
QB005	
E	4.1
C	9.1
B	4.8
QB006	
E	1.4
C	8.5
B	2.0
QB007	
E	9.1
C	1.9
B	8.5
QB009	
E	4.0
C	9.1
B	4.7
QB010	
E	1.4
C	8.5
B	2.0
QB011	
E	9.1
C	1.9
B	8.5
QB020	
S	3.2
D	3.2
G	4.5
QB021	
S	3.2
D	3.2
G	4.5
QB101	
E	2.9
C	9.1
B	3.6
QB102	
E	2.6
C	0
B	1.9
QB103	
E	2.9
C	9.1
B	3.6
QB104	
E	2.5
C	0
B	1.7
QB105	
E	2.9
C	9.1
B	3.6
QB106	
E	2.5
C	0
B	1.7
QB107	
1	0
2	0.5
3	0
4	0
5	0.5
6	0
QB108	
1	0
2	0.5
3	0
4	0
5	0.5
6	0
QB109	
1	0
2	0.5
3	0
4	0
5	0.5
6	0

[P.2-23 – P.2-24]

PIN NO.	VOLTAGE(V)
IC102	
1	1.2
2	2.5
3	1.2
4	1.2
5	0
6	1.2
7	1.2
8	2.5
9	1.2
10	1.2
11	0
12	0
13	1.2
14	2.5
15	2.5
16	0
17	1.2
18	1.2
19	0
20	1.2
21	1.2
22	2.5
23	0
24	0
25	2.5
26	2.4
27	2.4
28	0
29	1.8
30	1.0
31	1.1
32	1.1
33	1.1
34	1.2
35	2.5
36	1.2
37	1.2
38	0
39	0
40	0
41	0
42	0
43	0
44	0
45	1.0
46	0
47	1.3
48	1.3
49	1.3
50	1.3
51	2.1
52	0
53	2.5
54	1.3
55	1.2
56	0
57	0
58	1.3
59	2.5
60	1.2
61	1.2
62	0
63	1.2
64	0
65	2.5
66	0
67	2.5
68	1.2
69	1.2
70	0
71	1.2
72	1.2
73	0
74	1.2
75	1.2
76	0
77	1.2
78	1.2
79	2.5
80	1.2
81	1.2
82	0
83	1.2
84	1.2
85	0
86	2.5
87	0
88	0
89	0
90	0
91	0
92	0
93	0
94	1.2
95	2.5
96	2.5
97	1.2
98	1.2
99	0
100	1.2
IC104	
1	0
2	0
3	3.3
4	0
5	0
6	4.7
7	3.3
8	3.3
IC105	
1	3.3
2	4.7
3	0
4	3.3
5	3.3
IC106	
1	3.3
2	3.3
3	0
4	0
IC107	
1	2.5
2	2.5
3	1.4
4	1.2
5	0
IC108	
1	2.5
2	2.5
3	1.9
4	1.2
5	0

[P.2-25 – P.2-26]

PIN NO.	VOLTAGE(V)
IC203	
1	2.5
2	0
3	1.5
4	2.5
5	1.5
IC206	
1	3.5
2	0
3	0
4	3.5
5	2.5
IC207	
1	3.2
2	3.2
3	3.2
4	3.0
5	0.4
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	3.2
15	3.2
16	3.2

[P.2-27 – P.2-28]

PIN NO.	VOLTAGE(V)
IC251	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	3.3
12	3.3
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0
31	2.5
32	2.5
33	0
34	0
35	0
36	0
37	0
38	3.3
39	0
40	0
41	0
42	0
43	0
44	0
45	2.5
46	2.5
47	1.2
48	1.2
49	0
50	1.4
51	0
52	1.3
53	2.5
54	0
55	0
56	1.4
57	3.3
58	2.6
59	4.4
60	4.6
61	0.1
62	0
63	3.2
64	2.5
65	0
66	0
67	0
68	0
69	0
70	0
71	0
72	0
73	0
74	0
75	0
76	5.0
77	0
78	0
79	0
80	0
81	2.5
82	1.1
83	1.4
84	1.0
85	1.1
86	0
87	0
88	0.8
89	0.8
90	0.8
91	1.2
92	2.5
93	2.5
94	0
95	0
96	0
97	1.1
98	0
99	0
100	2.5
IC253	
1	5.0
2	0
3	0
4	5.0
5	2.5
Q101	
E	5.9
C	9.1
B	6.5
Q102	
E	4.4
C	9.1
B	4.9
Q103	
E	2.3
C	0
B	2.2
Q104	
E	3.0
C	4.5
B	3.5
Q105	
E	0
C	0.2
B	4.5
Q106	
E	0
C	5.0
B	0.2
Q107	
E	0
C	0
B	3.0
Q401	
E	1.6
C	0
B	1.0
Q402	
E	1.1
C	8.3
B	1.6
Q403	
E	8.9
C	1.3
B	8.4
Q431	
E	2.0
C	0
B	1.4
Q432	
E	1.4
C	8.3
B	2.0
Q433	
E	8.9
C	1.6
B	8.3
Q434	
E	1.6
C	0
B	1.3

[P.2-29 – P.2-30]

PIN NO.	VOLTAGE(V)
IC701	
1	2.3
2	2.0
3	1.2
4	0.2
5	2.3
6	5.0
7	2.5
8	0
9	0.3
10	0.8
11	2.5
12	5.1
13	4.5
14	4.5
15	0
16	0
17	0
18	0
19	0
20	2.4
21	1.6
22	1.8
23	1.8
24	0
25	2.2
26	2.2
27	2.2
28	0
29	0
30	0
31	0
32	5.0
33	2.3
34	2.4
35	2.4
36	0
37	5.0
38	4.0
39	1.7
40	3.3
41	2.0
42	0
43	1.7
44	2.1
45	5.0
46	2.0
47	3.9
48	1.7
IC702	
1	1.3
2	3.2
3	5.0
4	0.1
5	0
6	1.8
7	0
8	0
9	0
10	0
11	4.9
12	0
13	5.0
14	0
15	4.5
16	4.5
17	0
18	0
19	2.5
20	5.1
21	0
22	0
23	2.8
24	3.4
25	2.8
26	0
27	3.1
28	1.6
IC703	
1	1.3
2	2.6
3	1.6
4	2.8
5	2.8
6	0
7	0
8	0
9	0
10	0
11	0
12	0.4
13	0.4
14	0.4
15	2.5
16	9.0
IC704	
1	9.1
2	0
3	5.1
Q701	
E	2.7
C	0
B	2.2
Q702	
E	2.3
C	0
B	1.7
Q703	
E	1.8
C	0
B	1.2
Q704	
E	1.9
C	4.5
B	2.5
Q705	
E	5.1
C	2.2
B	4.5
Q707	
E	2.8
C	0
B	2.2
Q753	
E	2.7
C	9.0
B	3.2
Q754	
E	2.2
C	9.0
B	2.8
Q755	
E	1.5
C	8.4
B	2.1
Q756	
E	9.0
C	2.5
B	8.4
Q758	
E	2.4
C	9.0
B	3.0
Q759	
E	2.2
C	8.3
B	2.8
Q760	
E	9.0
C	2.8
B	8.3
Q762	
E	0.9
C	4.0
B	1.6
Q763	
E	3.3
C	5.0
B	4.0
Q764	
1	0.4
2	0
3	0
4	0.4
5	0
6	0
Q791	
E	2.1
C	9.1
B	2.7
Q792	
E	2.2
C	9.1
B	2.9
Q793	
E	0
C	0
B	3.0
IC801	
1	2.3
2	2.0
3	1.2
4	0.2
5	2.3
6	5.0
7	2.5
8	0
9	0.3
10	0.7
11	2.5
12	5.1
13	4.4
14	4.5
15	0
16	0
17	0
18	0
19	0
20	2.4
21	1.7
22	1.9
23	1.8
24	0
25	2.2
26	2.2
27	2.2
28	0
29	0
30	0
31	0
32	5.0
33	2.2
34	2.4
35	2.4
36	0
37	5.1
38	4.0
39	1.7
40	3.4
41	2.1
42	4.6
43	1.7
44	2.0
45	5.1
46	2.0
47	3.8
48	1.8
IC802	
1	1.3
2	3.2
3	5.0
4	2.5
5	0
6	1.9
7	1.9
8	0
9	0
10	0
11	5.0
12	0
13	5.0
14	0
15	4.4
16	4.4
17	0
18	0
19	2.5
20	5.0
21	0
22	2.8
23	2.8
24	3.4
25	2.4
26	0
27	3.1
28	1.6
IC803	
1	9.1
2	0
3	5.1
Q801	
E	2.8
C	0
B	2.2
Q802	
E	2.4
C	0
B	1.8
Q853	
E	2.6
C	9.0
B	3.2
Q854	
E	2.2
C	9.0
B	2.8
Q855	
E	1.5
C	8.4
B	2.0
Q856	
E	9.0
C	2.6
B	8.4
Q858	
E	2.4
C	9.0
B	3.0
Q859	
E	1.8
C	8.4
B	2.4
Q860	
E	9.0
C	2.3
B	8.4
Q862	
E	0.9
C	4.0
B	1.5
Q863	
E	3.3
C	5.0
B	4.0
Q864	
1	0.4
2	0
3	0
4	0.4
5	0
6	0

[P.2-31 – P.2-32]

PIN NO.	VOLTAGE(V)
IC210	
1	3.5
2	0
3	1.5
4	0.2
5	1.6
6	2.1
7	0
8	0
9	0
10	0
11	0
12	2.1
13	2.7
14	3.5

[P.2-33 – P.2-34]

PIN NO.	VOLTAGE(V)
IC461	
1	0
2	0
3	2.5
4	0.9
5	1.2
6	0.9
7	1.5
8	1.5
9	1.5
10	1.3
11	1.1
12	0
13	1.1
14	0
15	0
16	0
17	1.5
18	0
19	0
20	0
21	0
22	2.5
23	0
24	0
25	0.6
26	0
27	0
28	1.7
29	1.3
30	1.8
31	1.8
32	0
33	0
34	0
35	1.7
36	1.1
37	0.5
38	0
39	3.3
40	3.3
41	2.5
42	3.3
43	1.4
44	0
45	0
46	0
47	0
48	3.2
49	0
50	3.2
51	0
52	0
53	0
54	3.3
55	0
56	3.3
57	0
58	0
59	0
60	3.3
61	0
62	2.5
63	3.3
64	2.0
65	1.3
66	1.3
67	1.0
68	0
69	1.3
70	1.9
71	1.4
72	1.0
73	0
74	3.3
75	2.5
76	2.1
77	1.9
78	0.9
79	1.2
80	0.9
81	1.7
82	0
83	1.2
84	1.2
85	1.2
86	0
87	1.1
88	1.1
89	0
90	3.3
91	2.5
92	1.7
93	1.5
94	1.1
95	2.0
96	1.5
97	1.5
98	0
99	1.6
100	1.1
101	2.2
102	2.0
103	3.3
104	3.3
105	0
106	3.3
107	2.5
108	1.3
109	0
110	3.3
111	0
112	0
113	0
114	0
115	0
116	0
117	0
118	0
119	0
120	0
121	0
122	0
123	3.3
124	2.5
125	0
126	0
127	0
128	0
129	0
130	0
131	0
132	0
133	0
134	0
135	0
136	0
137	0
138	3.2
139	2.5
140	3.3
141	0

PIN NO.	VOLTAGE(V)
142	0
143	0
144	0
145	0
146	0
147	0
148	0
149	0
150	3.3
151	2.5
152	0
153	0
154	0
155	1.2
156	0
157	3.3
158	2.5
159	0
160	0
161	0
162	0
163	1.9
164	2.1
165	0.9
166	1.4
167	1.8
168	1.3
169	0
170	3.3
171	2.5
172	1.0
173	0
174	1.3
175	2.0
176	1.1
177	1.1
178	1.1
179	1.2
180	0
181	3.3
182	2.5
183	1.2
184	1.2
185	1.7
186	0.9
187	1.2
188	0.9
189	2.0
190	2.2
191	0
192	1.1
193	1.6
194	1.5
195	1.5
196	2.0
197	1.1
198	1.5
199	1.7
200	0
201	1.3
202	0
203	3.2
204	1.4
205	0
206	3.3
207	2.5
208	2.0
209	2.1
210	1.0
211	1.4
212	1.9
213	1.3
214	0
215	1.0
216	1.3
217	1.3
218	2.0
219	2.0
220	2.2
221	0
222	3.3
223	0
224	1.1
225	1.6
226	1.5
227	1.4
228	2.0
229	1.1
230	0
231	1.5
232	1.7
233	1.1
234	1.1
235	1.1
236	1.2

PIN NO.	VOLTAGE(V)
237	0
238	3.3
239	2.5
240	1.2
241	1.2
242	1.7
243	0.9
244	1.2
245	0.9
246	0
247	3.2
248	1.4
249	1.3
250	0
251	3.3
252	2.5
253	0
254	0
255	0
256	0
IC464	
1	0.3
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	1.5
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	3.2
IC465	
1	0
2	1.3
3	0
4	1.3
5	3.2
IC466	
1	0
2	1.5
3	0
4	0.9
5	3.2

[P.2-35 – P.2-36]

PIN NO.	VOLTAGE(V)
IC501	
1	3.1
2	1.4
3	3.2
4	3.2
5	0
6	0.5
7	0.5
8	0
9	0.5
10	0.5
11	0.5
12	0.5
13	0.5
14	0.5
15	0.5
16	0.5
17	0.5
18	3.3
19	0
20	1.5
21	0
22	1.5
23	3.3
24	0
25	3.3
26	0
27	0
28	0
29	0
30	0
31	0
32	0
33	0
34	0
35	0
36	0
37	0
38	0

PIN NO.	VOLTAGE(V)
39	0
40	0
41	0
42	0
43	0
44	0
45	0
46	0
47	0
48	0
49	0
50	3.3
51	0
52	0
53	1.6
54	1.0
55	0
56	1.6
57	3.3
58	0
59	0.7
60	0.7
61	0.7
62	0.7
63	0.7
64	0.7
65	0.7
66	0.7
67	0.7
68	0
69	0.7
70	0.7
71	0
72	1.7
73	1.5
74	0
75	3.3
76	3.3
77	0
78	0
79	1.5
80	0.7
81	1.5
82	1.3
83	2.0
84	0
85	3.3
86	0
87	0
88	1.5
89	1.3
90	2.0
91	0
92	3.3
93	0
94	0
95	1.5
96	1.3
97	2.0
98	0
99	0
100	0
Q501	
E	1.1
C	0
B	0.3
Q502	
E	1.1
C	0
B	0.3
Q503	
E	1.1
C	0
B	0.3
Q504	
E	0
C	0
B	0.6

[P.2-37 – P.2-38]

PIN NO.	VOLTAGE(V)
IC602	
1	0
2	5.9
3	6.2
4	3.0
5	5.6
6	-0.5
7	-5.5
8	-4.9
9	3.3
10	3.3
11	3.3
12	3.3
13	-5.4

PIN NO.	VOLTAGE(V)
14	0
15	3.3
16	3.3
IC603	
1	0.1
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	3.1
13	0.3
14	3.1
15	0
16	5.0
IC901	
1	3.3
2	0
3	3.3
4	3.3
5	3.3
6	0
7	3.3
8	0
9	2.0
10	0
11	0
12	3.3
13	3.3
14	3.3
15	3.3
16	0
17	0
18	3.3
19	2.7
20	0
21	3.0
22	3.0
23	3.3
24	3.0
25	3.0
26	0
27	3.0
28	3.0
29	3.3
30	0
31	0
32	0
33	3.3
34	0
35	0
36	2.0
37	1.3
38	1.3
39	1.0
40	1.4
41	1.8
42	1.4
43	1.0
44	0.9
45	1.2
46	0.9
47	1.8
48	0
49	3.3
50	1.2
51	1.2
52	1.2
53	1.1
54	1.7
55	1.5
56	0
57	1.5
58	1.1
59	2.0
60	1.5
61	1.5
62	1.6
63	1.1
64	0
IC903	
1	3.2
2	3.2
3	3.2
4	0
IC904	
1	5.1
2	0
3	0
4	5.1

PIN NO.	VOLTAGE(V)
5	3.3
Q601	
E	0
C	0
B	0.7
Q903	
D	3.3
S	3.3
G	5.1
Q904	
D	3.3
S	3.3
G	5.1

<MI-COM PWB>
[P.2-39 – P.2-40]

PIN NO.	VOLTAGE(V)
IC901	
1	4.7
2	0
3	2.5
IC902	
1	4.7
2	0
3	3.3
Q001	
E	0
C	0
B	0.6
Q003	
E	0
C	3.3
B	0
Q008	
E	4.7
C	0
B	4.1
Q009	
E	4.0
C	4.1
B	2.3
Q010	
E	4.0
C	4.6
B	4.6
Q011	
E	0
C	0
B	0
Q012	
E	0
C	4.4
B	0
Q013	
D	0
S	0
G	4.4
Q014	
D	0
S	0
G	4.4
Q015	
D	3.3
S	3.3
G	4.5
Q021	
E	0
C	3.3
B	0
Q022	
E	2.9
C	3.3
B	3.3

<MI-COM INTERFACE PWB>
[P.2-41 – P.2-42]

PIN NO.	VOLTAGE(V)
IC101	
1	2.3
2	1.9
3	0
4	0
5	0
6	4.6
7	0
8	2.4
9	2.3
10	0
11	0
12	0
13	0
14	4.6
IC102	
1	4.0
2	0.4
3	4.0
4	0.3
5	0.3
6	0
7	0
8	0
9	0
10	0
11	0
12	0.3
13	4.0
14	0.3
15	0.3
16	4.6
Q101	
E	0
C	4.6
B	0
Q102	
E	0
C	0
B	0

<RECEIVER POWER PWB>
[P.2-43 – P.2-44]

PIN NO.	VOLTAGE(V)
IC9901	
1	297.8
2	0
3	0
4	16.6
5	2.1
IC9931	
1	246.3
5	-45.2
6	0
7	0
8	0
9	4.9
IC9932	
1	4.7
2	0
3	0
4	3.4
5	4.9
6	0
7	4.9
Q9971	
E	0
C	0.7
B	0
Q9972	
E	0
C	0.1
B	0.7

<FRONT CONTROL PWB>
[P.2-45 – P.2-46]

PIN NO.	VOLTAGE(V)
Q8801	
E	3.3
C	3.2
B	1.5
Q8802	
E	3.3
C	1.5
B	3.3
Q8803	
E	0
C	3.3
B	0

VOLTAGE CHART [DISPLAY UNIT]

<DISPLAYINTERFACE PWB>
[P.2-47 – P.2-48]

PIN NO.	VOLTAGE(V)
IC801	
1	5.0
2	0
3	3.4
IC802	
1	12.1
2	0
3	5.0
IC803	
1	0
2	8.5
3	8.6
4	5.0
5	8.4
6	-0.1
7	-6.0
8	-3.7
9	5.0
10	5.0
11	5.0
12	5.1
13	-5.9
14	0
15	5.0
16	5.1
IC804	
1	5.0
2	0.9
3	5.0
4	5.0
5	0.9
6	0
7	0
8	0
9	5.0
10	5.0
11	5.0
12	1.0
13	5.0
14	5.0
15	5.0
16	5.0
IC805	
1	0
2	0
3	0
4	0
5	5.1
6	5.0
7	0
8	5.1
IC807	
1	3.2
2	0
3	5.0
4	2.9
5	0
6	3.3
7	5.0
8	0
9	0
10	2.4
11	2.5
12	5.0
13	0
14	0
15	0
16	0
17	5.0
18	0
19	0
20	0
21	0
22	0
23	4.5
24	0
25	4.5
26	4.3
27	4.5
28	3.8
29	3.9
30	2.3
31	2.3
32	0
33	0
34	0
35	4.5
36	0
37	5.0
38	0
39	4.4
40	5.0
41	4.5
42	4.5
43	4.5

PIN NO.	VOLTAGE(V)
44	0
45	5.0
46	5.0
47	5.4
48	2.2
49	2.2
50	2.3
51	0
52	5.0
53	5.0
54	0.1
55	3.3
56	5.0
57	0.6
58	0.6
59	0
60	0
61	0.5
62	0.8
63	5.0
64	5.0
IC808	
1	0
2	0.7
3	0.7
4	3.3
5	3.3
6	0
7	5.0
8	0
9	0
10	0
11	0
12	0
13	5.0
14	0
15	5.0
16	5.1
17	0
18	0
19	0
20	5.0
IC809	
1	5.0
2	5.0
3	0
4	0
Q801	
S	3.4
D	3.0
G	4.4
Q802	
S	3.3
D	2.9
G	4.4
Q803	
E	5.0
C	5.0
B	4.7
Q804	
E	0
C	0
B	0.7
Q805	
S	3.3
D	3.1
G	4.5
Q806	
S	3.3
D	3.0
G	4.4
Q807	
E	5.0
C	4.9
B	4.4

[P.49-P.50]

PIN NO.	VOLTAGE(V)
IC501	
1	3.3
2	3.3
3	3.3
4	0
5	0
6	3.3
7	0
8	3.3
9	3.3
10	1.6
11	1.8
12	1.7
13	1.1
14	1.4
15	1.0
16	1.4

PIN NO.	VOLTAGE(V)
17	2.2
18	3.2
19	0
20	1.6
21	1.6
22	1.4
23	2.0
24	1.8
25	1.5
26	1.3
27	1.2
28	0
29	3.3
30	1.3
31	1.5
32	1.0
33	1.2
34	1.2
35	1.5
36	1.2
37	2.0
38	3.3
39	0
40	0.2
41	0
42	0
43	3.3
44	1.1
45	0
46	2.4
47	3.3
48	3.3
49	0
50	0
51	0
52	0
53	0
54	0
55	0
56	0
57	3.3
58	0
59	0
60	0
61	0
62	0
63	0
64	0
65	0
66	0
67	3.3
68	0
69	0
70	0
71	0
72	0
73	0
74	0
75	0
76	0
77	0
78	3.3
79	0
80	2.9
81	3.0
82	3.3
83	0
84	3.3
85	3.0
86	3.0
87	0
88	3.3
89	0
90	3.0
91	3.0
92	0
93	3.0
94	3.0
95	3.3
96	3.0
97	3.3
98	0
99	3.3
100	3.3
IC502	
1	0
2	0
3	3.3
4	3.3
IC601	
1	3.3
2	0.2
3	0.9
4	0.8
5	0

PIN NO.	VOLTAGE(V)
6	0.9
7	0.7
8	1.3
9	3.3
10	0.1
11	1.0
12	1.2
13	0
14	0.3
15	1.0
16	1.4
17	0
18	0.2
19	00.9
20	0.9
21	0
22	0.9
23	0.9
24	0.5
25	1.7
26	3.3
27	3.3
28	3.3
29	0
30	3.3
31	0.4
32	3.3
33	0
34	3.3
35	0
36	0
37	1.2
38	1.3
39	1.3
40	1.2
41	1.2
42	1.2
43	0
44	3.3
45	1.2
46	1.3
47	1.2
48	1.2
49	0
50	1.4
51	0.8
52	1.0
53	0
54	0.7
55	0.8
56	1.1
IC603	
1	1.4
2	1.5
3	0
4	0.4
5	3.3
Q703	
S	3.3
D	3.3
G	5.0
Q704	
S	3.3
D	3.3
G	5.0

[P.51-P.52]

PIN NO.	VOLTAGE(V)
IC401	
1	0
2	3.3
3	2.5
4	1.0
5	1.1
6	1.2
7	1.5
8	1.3
9	1.4
10	1.3
11	1.4
12	0
13	0
14	0
15	2.0
16	1.2
17	1.1
18	0
19	1.2
20	1.7
21	0
22	3.3
23	2.4
24	1.6
25	1.6
26	0

PIN NO.	VOLTAGE(V)
27	0
28	2.1
29	1.3
30	1.4
31	1.3
32	0
33	1.3
34	1.0
35	1.3
36	1.1
37	0
38	0
39	3.3
40	0
41	2.5
42	3.3
43	1.5
44	0
45	0
46	0
47	0
48	3.0
49	0
50	2.8
51	0
52	1.4
53	0
54	2.7
55	0.6
56	2.8
57	0
58	0
59	0
60	0
61	0
62	2.5
63	3.3
64	0.2
65	1.5
66	0.8
67	1.0
68	0
69	0.8
70	0.9
71	0.9
72	0.9
73	0
74	3.3
75	2.5
76	0
77	0
78	0.1
79	1.4
80	0.9
81	1.2
82	0
83	1.2
84	1.0
85	0.9
86	0.9
87	0
88	0
89	0
90	3.3
91	2.5
92	0.3
93	1.5
94	0.5
95	0
96	1.0
97	0.7
98	0
99	1.1
100	1.3
101	0
102	0
103	3.3
104	3.3
105	0
106	3.3
107	2.5
108	1.0
109	0
110	0.2
111	0.4
112	0.4
113	0.2
114	0
115	0.4
116	0.3
117	0.4
118	0.3
119	0
120	0
121	0

PIN NO.	VOLTAGE(V)
122	0
123	3.3
124	2.5
125	0.4
126	0.4
127	0.4
128	0.4
129	0
130	0.3
131	0.4
132	0.4
133	0.4
134	0
135	0
136	0
137	0
138	3.3
139	2.5
140	0.4
141	0.4
142	0.4
143	0.4
144	0
145	0.4
146	0.4
147	0.3
148	0.4
149	0
150	3.3
151	2.5
152	0
153	0
154	3.2
155	1.5
156	0
157	3.3
158	2.5
159	0
160	0
161	0
162	0
163	0
164	1.9
165	1.1
166	1.1
167	1.2
168	1.2
169	0
170	3.3
171	2.5
172	1.1
173	0.8
174	0.9
175	0.5
176	0
177	1.6
178	1.0
179	1.0
180	0
181	3.3
182	2.5
183	1.0
184	0.9
185	0.9
186	0.9
187	0.6
188	0.4
189	0
190	0.7
191	0
192	1.3
193	1.2
194	1.1
195	1.2
196	1.2
197	1.1
198	1.3
199	0.6
200	0
201	1.2
202	0
203	3.0
204	3.3
205	0
206	3.3
207	2.5
208	0
209	0
210	1.5
211	1.9
212	1.2
213	1.1
214	0
215	1.3
216	1.2

PIN NO.	VOLTAGE(V)
217	1.3
218	2.2
219	0
220	0
221	0
222	3.3
223	2.5
224	1.8
225	1.5
226	1.7
227	1.1
228	1.5
229	1.1
230	0
231	1.3
232	1.9
233	0
234	0
235	1.2
236	1.2
237	0
238	3.3
239	2.5
240	1.2
241	1.2
242	1.2
243	1.2
244	1.2
245	1.2
246	0
247	3.3
248	1.0
249	1.6
250	0
251	3.3
252	2.5
253	0.2
254	0.1
255	0.1
256	0.1
IC405	
1	3.3
2	0
3	0
4	3.2
5	2.5

[P.53-P.54]

PIN NO.	VOLTAGE(V)
IC301	
1	3.3
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	3.0
28	0
29	1.4
30	0
31	0
32	3.3
33	0
34	0
35	0
36	0
37	0
38	0
39	0
40	0
41	0
42	3.3
43	0
44	3.3
45	0

PIN NO.	VOLTAGE(V)
46	3.3
47	3.3
48	0
49	3.3
50	0
51	0
52	0
53	3.3
54	0
55	3.3
56	3.3
57	0
58	3.3
59	3.3
60	3.3
61	0
62	3.3
63	3.3
64	0
65	0
66	0
67	1.5
68	3.3
69	0
70	1.2
71	0
72	0
73	0
74	0
75	0
76	0
77	0
78	0
79	1.5
80	0
81	1.4
82	1.3
83	3.3
84	3.3
85	3.3
86	0
87	1.1
88	1.3
89	1.3
90	1.2
91	1.4
92	1.4
93	1.4
94	1.4
95	2.1
96	1.1
97	1.1
98	1.4
99	1.0
100	1.7
101	1.5
102	1.8
103	3.3
104	0
105	0
106	2.1
107	1.4
108	1.3
109	1.2
110	1.2
111	1.3
112	1.6
113	1.5
114	0
115	3.3
116	0.7
117	0.9
118	1.0
119	1.0
120	1.2
121	1.2
122	1.4
123	1.0
124	1.5
125	0
126	0
127	3.3
128	0.4
129	0.8
130	0.8
131	0.9
132	12.9
133	1.0
134	1.1
135	1.0
136	0.4
137	0
138	0
139	3.3
140	0.1

PIN NO.	VOLTAGE(V)
141	1.1
142	0.9
143	1.0
144	1.2
145	1.0
146	1.0
147	1.1
148	0
149	0
150	0
151	3.3
152	3.3
153	3.0
154	3.3
155	1.2
156	0
157	0
158	0.7
159	3.3
160	0
161	3.3
162	0
163	0
164	0
165	0
166	0
167	0
168	0
169	0
170	0
171	0
172	3.3
173	0
174	1.4
175	2.8
176	2.7
177	2.1
178	1.6
179	0
180	0
181	2.1
182	0.6
183	2.7
184	2.7
185	2.2
186	1.6
187	1.1
188	0
189	3.3
190	1.6
191	2.2
192	2.7
193	2.7
194	1.0
195	0
196	0
197	3.3
198	3.3
199	2.8
200	3.0
201	0
202	0
203	0
204	1.4
205	1.4
206	3.3
207	3.3
208	0

[P.55-P.56]

PIN NO.	VOLTAGE(V)
IC101	
1	15.0
2	3.3
3	0
4	1.2
5	6.7
IC102	
1	15.1
2	0
3	12.1
IC103	
1	5.9
2	0
3	5.0
Q101	
E	0
C	0
B	0.6

<AUDIO PWB>
[P.2-57 – P.2-58]

PIN NO.	VOLTAGE(V)
IC6501	
1	6.1
2	6.1
3	6.1
4	0
5	6.1
6	6.1
7	6.1
8	12.1
IC6521	
1	6.0
2	6.1
3	6.1
4	6.0
5	6.1
6	6.1
7	6.1
8	6.1
9	0.9
10	6.1
11	4.7
12	4.7
13	4.2
14	4.4
15	0
16	12.1
17	0
18	0
19	5.9
20	0
21	6.1
22	6.0
23	6.1
24	6.1
25	6.1
26	6.1
27	6.1
28	6.1
29	6.1
30	6.1
IC6551	
1	6.3
2	6.3
3	6.2
4	0
5	6.3
6	6.3
7	6.3
8	12.1
IC6552	
1	6.2
2	6.3
3	6.3
4	0
5	6.3
6	6.3
7	6.3
8	12.1
IC6571	
1	6.3
2	6.3
3	6.3
4	0
5	6.3
6	6.3
7	6.3
8	12.1
IC6572	
1	6.3
2	6.2
3	6.1
4	0
5	6.2
6	6.3
7	6.3
8	12.1
IC6621	
1	0
2	0
3	9.2
4	4.2
5	9.2
6	12.0
7	3.1
8	0
9	3.1
10	9.0
11	2.8
12	2.9
13	0
14	2.8
15	2.8
16	5.9
17	3.2
18	0
19	3.1
20	12.0
21	9.2
22	4.1
23	9.2
24	0
25	0.6
Q6521	
E	0
C	0
B	0
Q6522	
E	0
C	0
B	0
Q6523	
E	0
C	0
B	0
Q6531	
E	0
C	2.8
B	0
Q6532	
E	0
C	0
B	0.6
Q6533	
E	0
C	0
B	0.7
Q6534	
E	0.8
C	0.7
B	0.2
Q6535	
E	0
C	0
B	0.1
Q6536	
E	0
C	0
B	0
Q6641	
E	0
C	12.0
B	-0.2
Q6642	
E	11.6
C	-1.2
B	12.0
Q6643	
E	0
C	4.2
B	0

<TEMP. SENSOR PWB>
[P.2-60]

PIN NO.	VOLTAGE(V)
IC8101	
1	4.3
2	4.4
3	0
4	0
5	0
6	0
7	0
8	5.0

<DISPLAY LED PWB>
[P.2-61]

PIN NO.	VOLTAGE(V)
IC1742	
1	4.7
2	5.0
3	0
Q1741	
E	1.9
C	2.0
B	4.9
Q1742	
E	0
C	5.0
B	0

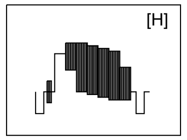
WAVEFORMS

[RECEIVER UNIT]

-MAIN PWB-

(SHEET1)

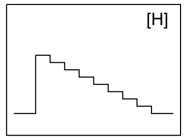
TU001-18



1.8Vp-p

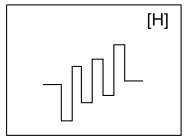
(SHEET2)

IC101-6



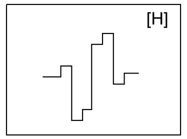
0.6Vp-p

IC101-7



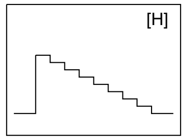
0.5Vp-p

IC101-8



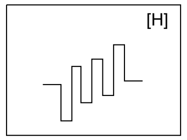
0.5Vp-p

IC101-12



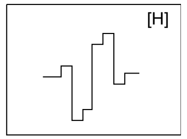
0.6Vp-p

IC101-13



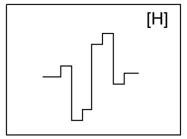
0.5Vp-p

IC101-14



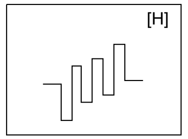
0.5Vp-p

IC101-25



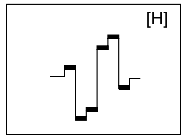
0.9Vp-p

IC101-26



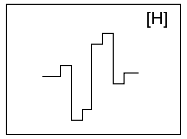
1.2Vp-p

IC101-27



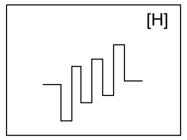
1.2Vp-p

IC101-31



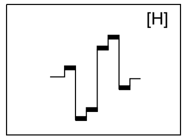
1.1Vp-p

IC101-32



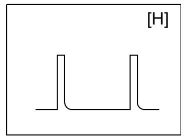
1.1Vp-p

IC101-33



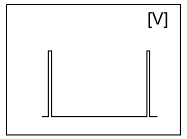
1.1Vp-p

IC201-1



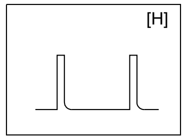
4.5Vp-p

IC201-2



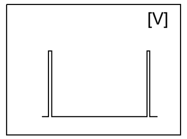
5.0Vp-p

IC201-3



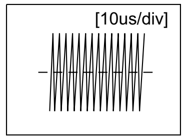
4.5Vp-p

IC201-4



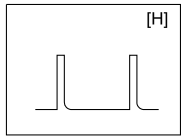
5.0Vp-p

IC201-7



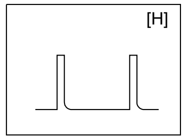
0.2Vp-p

IC201-13



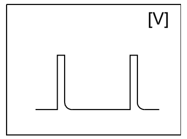
3.2Vp-p

IC201-15



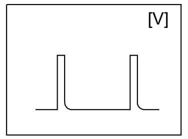
3.2Vp-p

IC201-22



3.2Vp-p

IC201-23

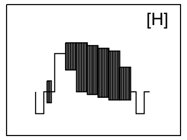


3.2Vp-p

-AV SWITCH PWB-

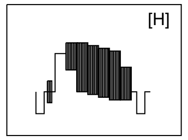
(SHEET5)

IC101-15



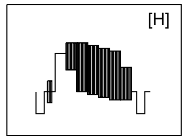
1.0Vp-p

IC101-41



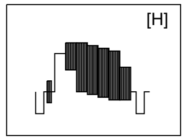
2.0Vp-p

IC101-44



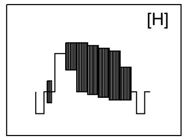
2.0Vp-p

IC101-49



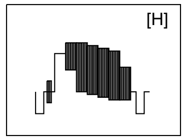
2.0Vp-p

IC101-53



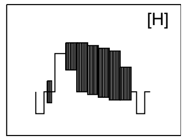
2.0Vp-p

IC101-56



1.7Vp-p

IC101-63

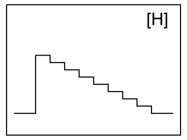


0.8Vp-p

-DIST PWB-

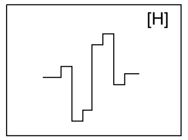
(SHEET8)

IC001-34



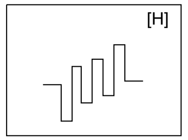
1.0Vp-p

IC001-40



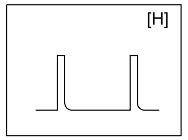
0.8Vp-p

IC001-42



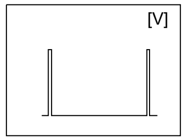
0.8Vp-p

IC001-49



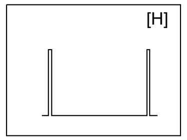
3.2Vp-p

IC001-55



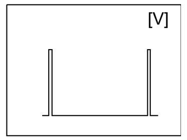
3.2 Vp-p

IC001-78



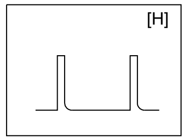
3.4Vp-p

IC001-79



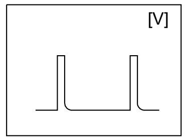
3.4Vp-p

IC003-30



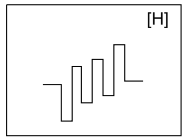
3.2Vp-p

IC003-31



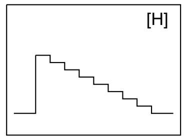
3.4Vp-p

IC003-43



0.7Vp-p

IC003-48



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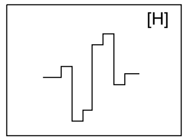
IC003-54



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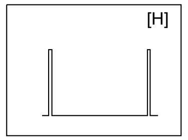
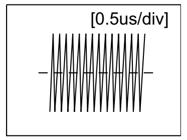
IC003-66



3.2Vp-p

IC003-67



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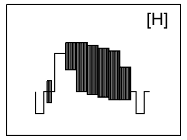
(SHEET12)

IC701-1



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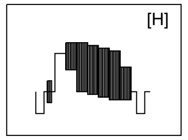
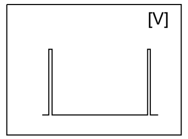
IC701-3



1.5Vp-p

IC701-4



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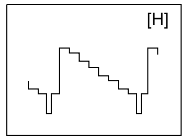
IC701-5



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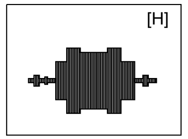
IC701-7



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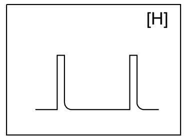
IC701-9



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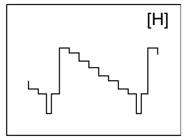
IC701-11



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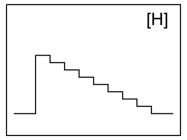

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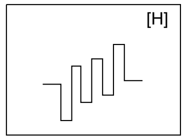
IC701-22



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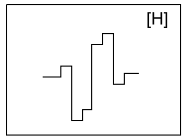

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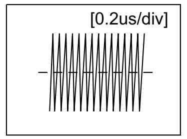

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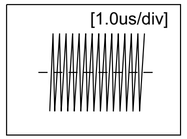
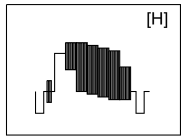
IC701-46



0.8Vp-p

IC702-7



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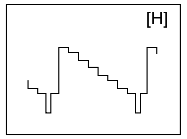

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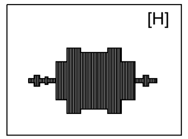

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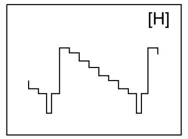

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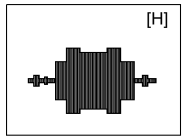

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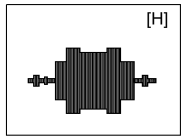

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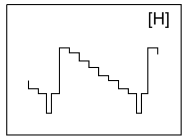
IC703-15



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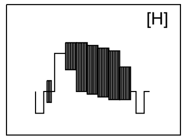
IC801-1



1.0Vp-p

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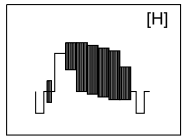

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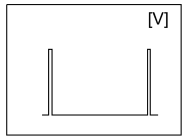

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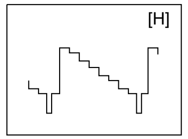

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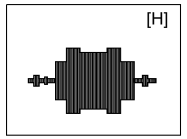

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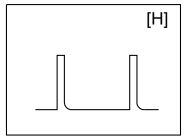

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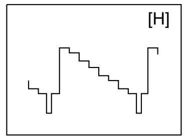
IC801-11



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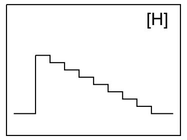

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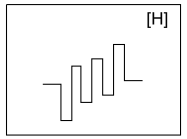

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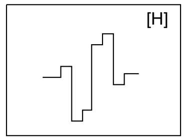

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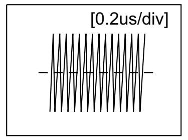

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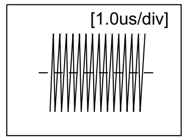

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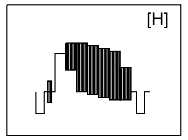

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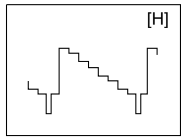

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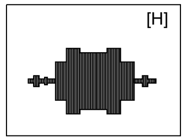
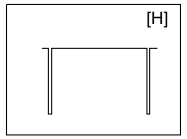
IC802-27



0.5Vp-p

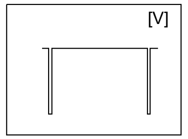
(SHEET15)

IC501-1



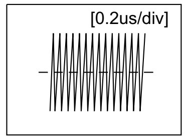
2.5Vp-p

IC501-2



1.5Vp-p

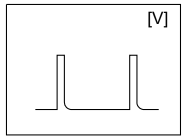
IC501-56



4.0Vp-p

(SHEET16)

IC603-1



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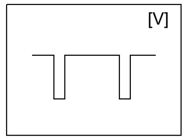
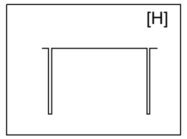
IC603-2



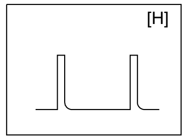
1.4Vp-p

IC603-13



3.0Vp-p

IC603-13



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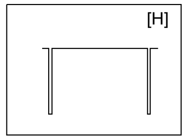
IC603-14



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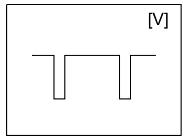
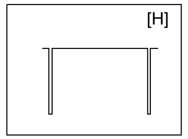


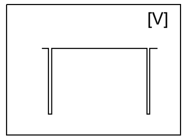
1.3Vp-p

IC901-4



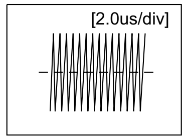
3.5Vp-p

IC901-5



3.2Vp-p

IC901-57



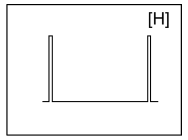
3.5Vp-p

[DISPLAY UNIT]

-DISPLAY INTERFACE PWB-

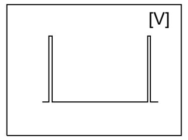
(SHEET21)

IC807-37



5.0Vp-p

IC807-53



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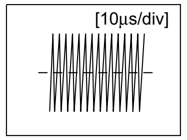
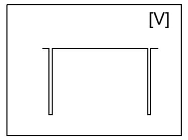
(SHEET22)

IC501-44



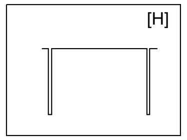
1.2Vp-p

IC501-47



3.4Vp-p

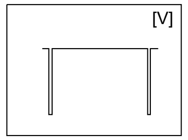
IC501-48



3.4Vp-p

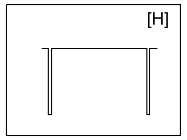
(SHEET23)

IC401-103



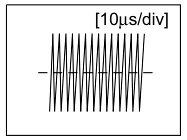
3.4Vp-p

IC401-104



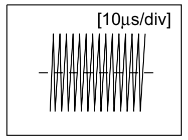
3.4Vp-p

IC401-108



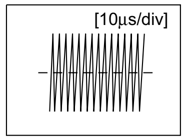
1.5Vp-p

IC401-248



1.4Vp-p

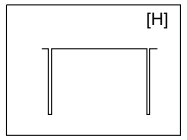
IC401-249



2.2Vp-p

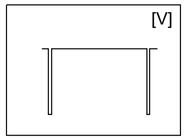
(SHEET24)

IC301-153



3.5Vp-p

IC301-154



3.5Vp-p

VICTOR COMPANY OF JAPAN, LIMITED
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PARTS LIST

CAUTION

- The parts identified by the ⚠ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P. W. Board Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		CAPACITORS	
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

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[DISPLAY UNIT : VM-42DV2, VM-42DV2/S]

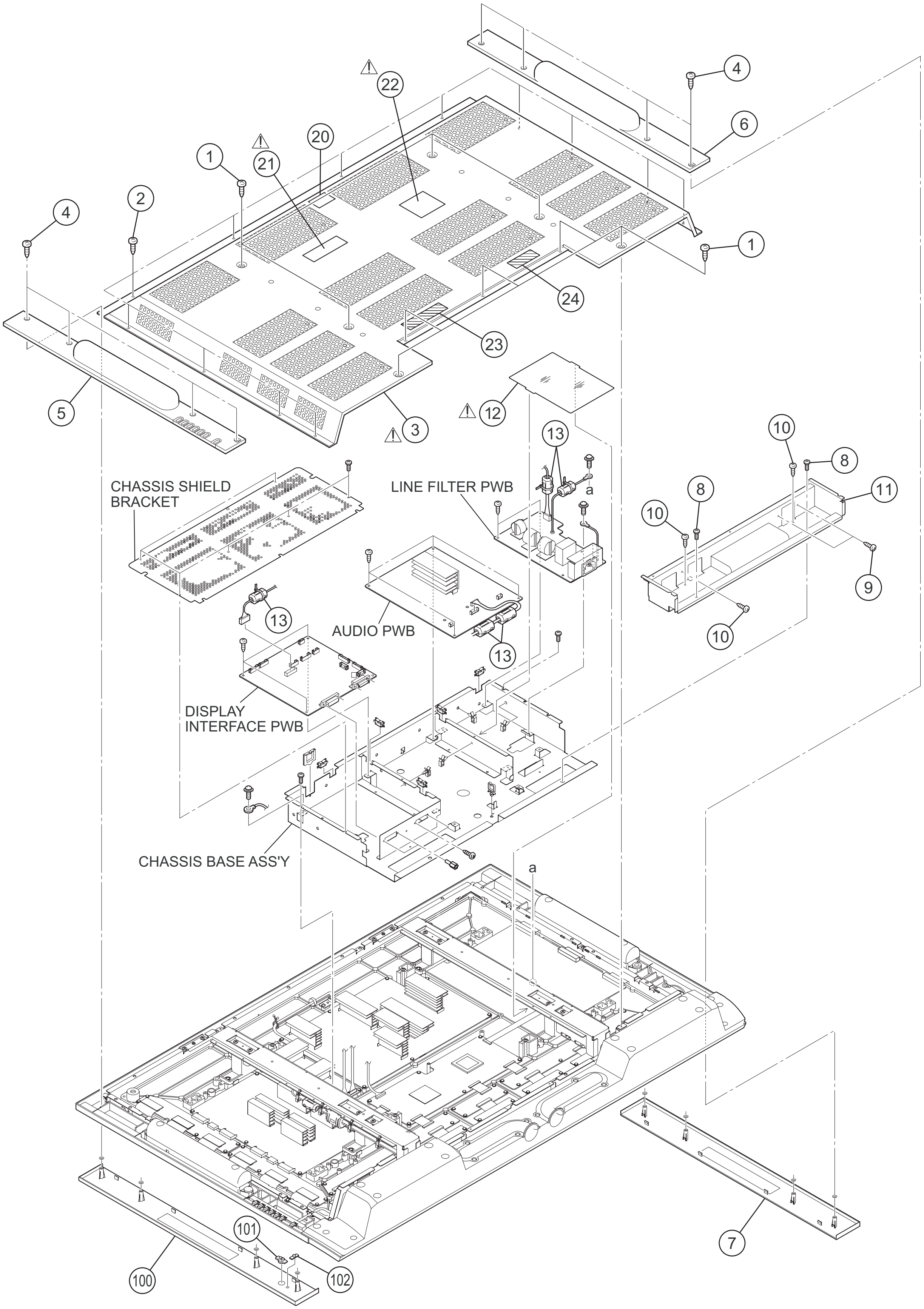
USING P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y	VM-42DV2	VM-42DV2/S
AUDIO P.W.B	LCA90177-04D	←
DISPLAY INTERFACE P.W.B	LCA10288-06E	←
TEMP. SENSOR P.W.B	LCA90146-03B	←
LINE FILTER P.W.B	LCA90143-08E	←
DISPLAY LED P.W.B	LCA90147-02B	←
DISPLAY SWITCH P.W.B	LCA90148-03C	←
REMOTE CONTROL UNIT	RM-C1808-1C	←
PDP UNIT		
VIDEO SMPS P.W.B	LJ44-00050A	←
SMPS P.W.B	LJ44-00053A	←
X-MAIN P.W.B	LJ92-00758A	←
Y-MAIN P.W.B	LJ92-00759A	←
E-BUFFER P.W.B	LJ92-00777A	←
F-BUFFER P.W.B	LJ92-00778A	←
G-BUFFER P.W.B	LJ92-00779A	←
LOGIC-MAIN P.W.B	LJ92-00791A	←
Y-BUFFER-U P.W.B	LJ92-00796A	←
Y-BUFFER-L P.W.B	LJ92-00797A	←

EXPLODED VIEW PARTS LIST - 1

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	LC41647-001B	SCREW	(x9)	
	2	QYSBSFG4016M	TAP SCREW	4.0mm x 16mm(x12)	
⚠	3	LC11659-001B	REAR COVER		
	4	QYSBSFG4012Z	TAP SCREW	4.0mm x 12mm(x8)	VM-42DV2
	4	QYSBSFG4012M	TAP SCREW	M4 x 12mm(x8)	VM-42DV2/S
	5	LC11668-001B	BACK COVER		
	6	LC11668-002B	BACK COVER		
	7	LC21375-002B	SP HOLDER		
	9	LC41647-001B	SCREW	(x2)	
	10	QYSBSG3008M	TAP SCREW	3mm x 8mm(x3)	
	11	LC11675-001C	TERMINAL COVER ASS'Y		
⚠	12	LC32472-001A	LF INSULATOR		
	13	QQR0491-001	FERRITE CORE	(GRAY)(x5)	
	20	LC41693-001A	CAUTION LABEL		
⚠	21	LC32510-001A	BBE LABEL		
⚠	22	LC21209-003B-0L	RATING LABEL		VM-42DV2
⚠	22	LC21209-004B-0L	RATING LABEL		VM-42DV2/S
	23	LC41610-002A	TERMINAL LABEL		
	24	LC41694-001A	INLET LABEL		
	100	LC32453-002C	SP HOLDER(L) ASS'Y	Inc.101,102	
	101	LC32408-001A	REMOCON WINDOW		
	102	LC41631-001B	LED LENS		

EXPLODED VIEW - 1

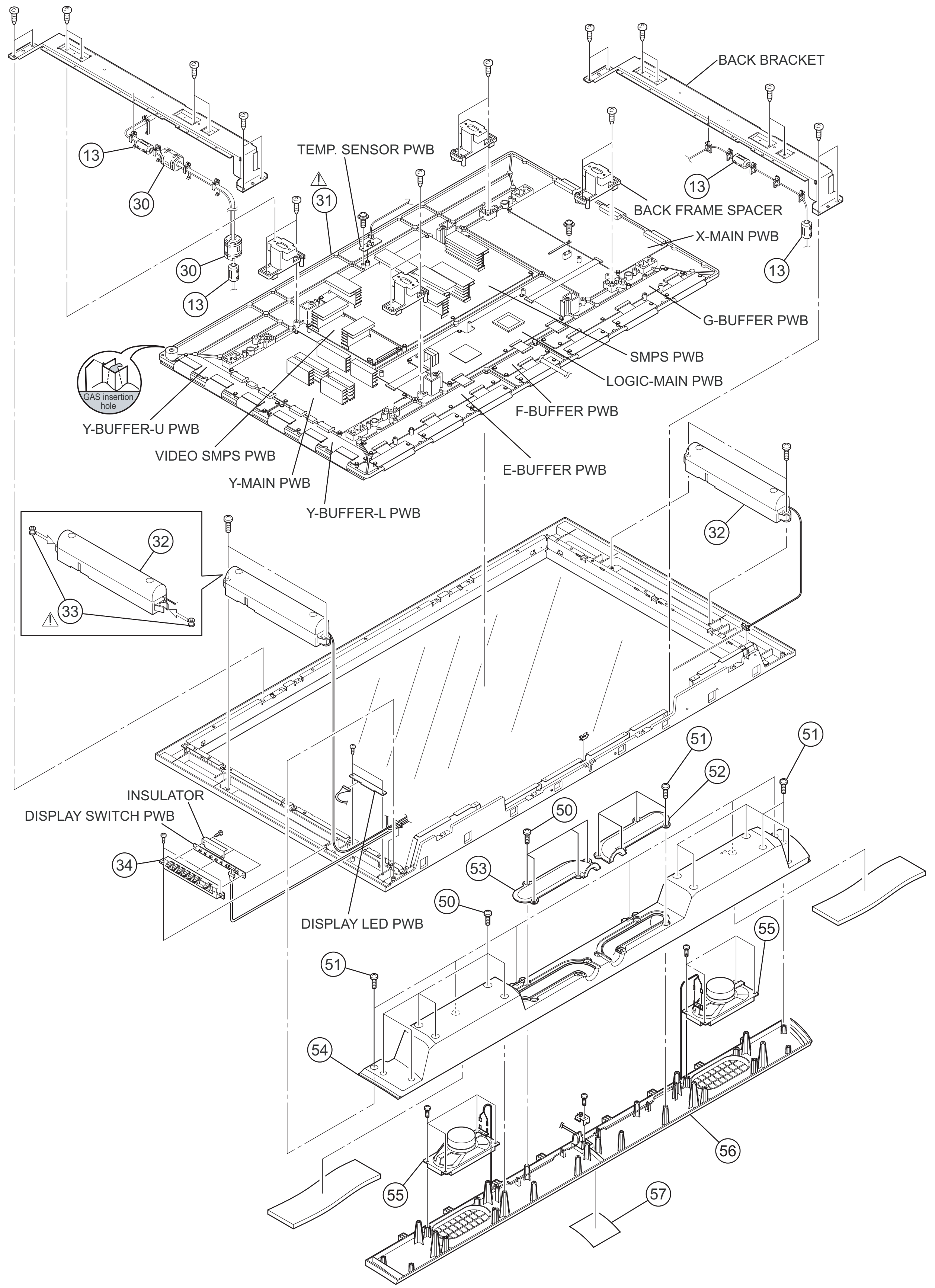


⚠ 22
4
6
20
⚠ 21
1
2
4
1
24
23
5
3
⚠ 3
⚠ 12
13
a
10
8
8
11
10
9
10
CHASSIS SHIELD BRACKET
LINE FILTER PWB
13
AUDIO PWB
13
DISPLAY INTERFACE PWB
CHASSIS BASE ASS'Y
a
101
100
102
7

EXPLODED VIEW PARTS LIST - 2

⚠	Ref.No.	Part No.	Part Name	Description	Local
	13	QQR0491-001	FERRITE CORE	(GRAY)(x4)	
	30	QQR1193-001	CORE FILTER	(x2)	
⚠	31	QLE0023-002	P D P	Inc.PWB in PDP UNIT	
	32	LC41684-001A	DD SPEAKER ASS'Y	(x2)	
⚠	33	LC40226-003A-H	SPACER	(x4)	
	34	LC21378-001B	CONTROL KNOB		
	50	QYSBSF4016M	TAP SCREW	M4 x 16mm(x10)	
	51	QYSBSFG4016M	TAP SCREW	4.0mm x 16mm(x16)	
	52	LC21377-001B	DUCT COVER(L)		
	53	LC21377-002B	DUCT COVER(R)		
	54	LC11667-001B	WFR BACK COVER		
	55	QAS0154-001	SPEAKER	WOOFER (x2)	
	56	LC21425-001B	W SP HOLDER ASS'Y		
	57	LC32433-001A	JVC PLATE		

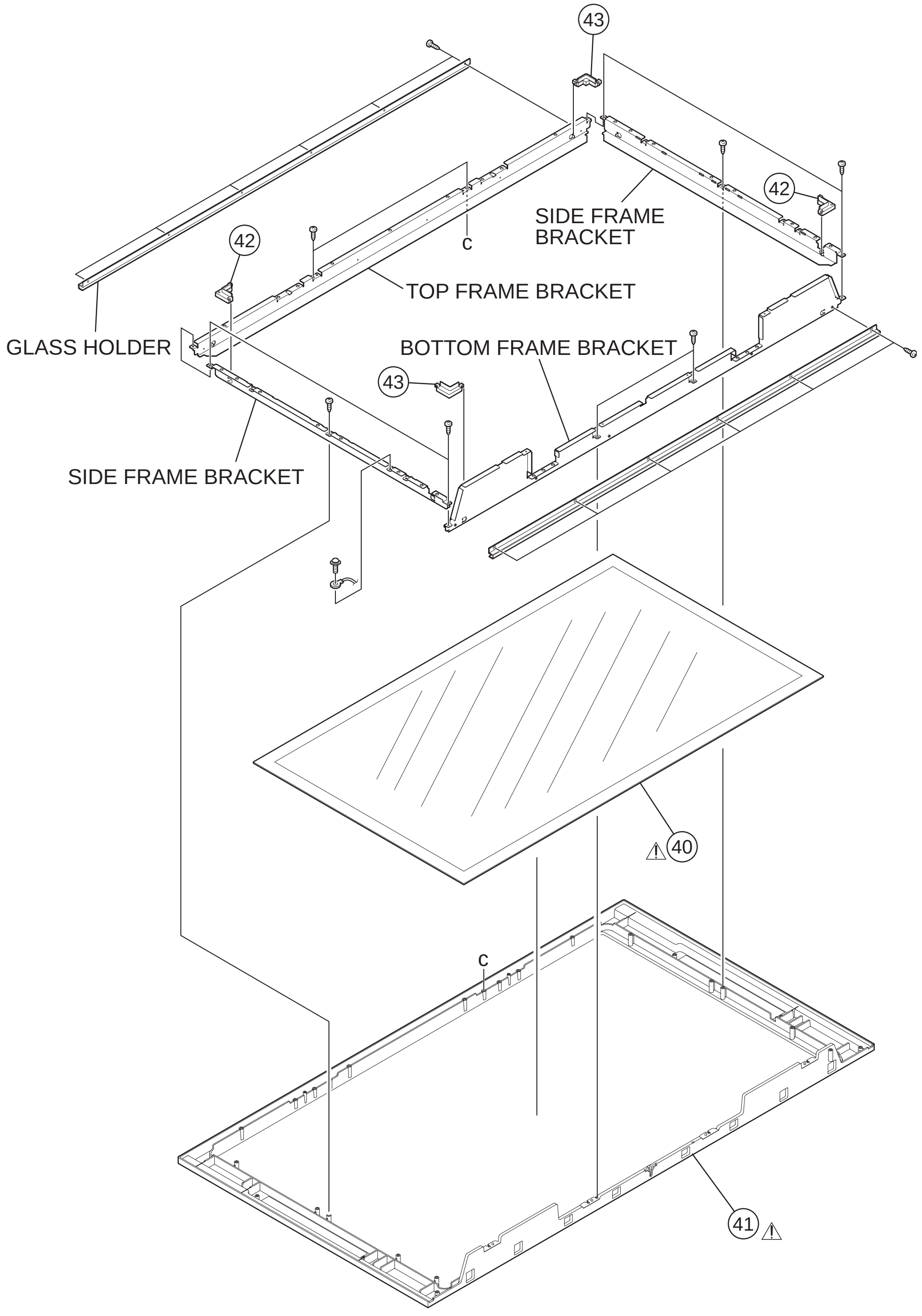
EXPLODED VIEW - 2


BACK BRACKET
13
30
TEMP. SENSOR PWB
31
13
BACK FRAME SPACER
X-MAIN PWB
30
13
13
G-BUFFER PWB
GAS insertion hole
SMPS PWB
LOGIC-MAIN PWB
F-BUFFER PWB
Y-BUFFER-U PWB
VIDEO SMPS PWB
E-BUFFER PWB
Y-MAIN PWB
Y-BUFFER-L PWB
32
32
33
51
51
52
50
INSULATOR
DISPLAY SWITCH PWB
53
34
50
DISPLAY LED PWB
55
51
54
56
55
57

EXPLODED VIEW PARTS LIST - 3

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	40	LC32461-001A	FRONT FILTER		VM-42DV2
⚠	40	LC32436-001A	FRONT FILTER		VM-42DV2/S
⚠	41	LC11660-002B	FRONT PANEL		
	42	LC32403-001A	MOUNTING BOSS	(x2)	
	43	LC32403-002A	MOUNTING BOSS	(x2)	

EXPLODED VIEW - 3


43
42
SIDE FRAME BRACKET
c
42
TOP FRAME BRACKET
GLASS HOLDER
BOTTOM FRAME BRACKET
43
SIDE FRAME BRACKET
⚠40
c
41⚠

PRINTED WIRING BOARD PARTS LIST

AUDIO PW BOARD ASS’Y (LCA90177-04D)

⚠Ref No.	Part No.	Part Name	Description	Local
IC6501	RC4558D-X	IC	or BA4558F-X	
IC6521	NJW1137M-W	IC		
IC6551	RC4558D-X	IC	or BA4558F-X	
IC6552	RC4558D-X	IC	or BA4558F-X	
IC6571	RC4558D-X	IC	or BA4558F-X	
IC6572	RC4558D-X	IC	or BA4558F-X	
IC6621	TA8270HA	IC		
Q6521	2SC3928A/QR/-X	TRANSISTOR		
Q6522	2SC3928A/QR/-X	TRANSISTOR		
Q6523	2SA1530A/QR/-X	TRANSISTOR		
Q6531	2SC3928A/QR/-X	TRANSISTOR		
Q6532	2SC3928A/QR/-X	TRANSISTOR		
Q6533	2SC3928A/QR/-X	TRANSISTOR		
Q6534	2SA1530A/QR/-X	TRANSISTOR		
Q6535	2SC3928A/QR/-X	TRANSISTOR		
Q6536	2SC3928A/QR/-X	TRANSISTOR		
Q6641	2SC3928A/QR/-X	TRANSISTOR		
Q6642	2SA1530A/QR/-X	TRANSISTOR		
Q6643	2SC3928A/QR/-X	TRANSISTOR		
D6501	MA111-X	SI DIODE		
D6502	MA111-X	SI DIODE		
D6503	MA111-X	SI DIODE		
D6504	MA111-X	SI DIODE		
D6505	MA111-X	SI DIODE		
D6506	MA111-X	SI DIODE		
D6551	MA8062/M/-X	Z DIODE		
D6621	MA8330/M/-X	Z DIODE		
D6622	MA8330/M/-X	Z DIODE		
D6623	MA8330/M/-X	Z DIODE		
D6624	MA8330/M/-X	Z DIODE		
D6625	MA8330/M/-X	Z DIODE		
D6626	MA8330/M/-X	Z DIODE		
D6627	MA8330/M/-X	Z DIODE		
D6628	MA8330/M/-X	Z DIODE		
D6629	D1FS4-X	SB DIODE		
D6630	D1FS4-X	SB DIODE		
D6631	D1FS4-X	SB DIODE		
D6632	D1FS4-X	SB DIODE		
D6641	MA111-X	SI DIODE		
D6642	MA111-X	SI DIODE		
D6643	MA111-X	SI DIODE		
C6501	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6502	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6503	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6504	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6505	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6506	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6507	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6508	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6509	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6510	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6511	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6512	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6517	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C6518	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C6519	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6521	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6522	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C6523	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C6525	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C6526	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6527	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6528	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6529	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C6530	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C6532	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C6533	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6534	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6535	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C6536	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6537	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6538	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6539	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6540	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6541	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6542	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6543	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6544	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C6545	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6546	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6551	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C6552	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C6553	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6554	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6555	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6556	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6557	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6558	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6559	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C6561	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C6562	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C6563	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6564	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6565	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6566	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6567	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6568	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6569	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6570	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6571	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C6572	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C6573	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C6574	NCB31HJ-103X	C CAPACITOR	0.01uF 50V J	
C6575	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C6576	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C6577	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C6578	NCB31HJ-103X	C CAPACITOR	0.01uF 50V J	
C6581	NCB21EK-124X	C CAPACITOR	0.12uF 25V K	
C6582	NCB21EK-124X	C CAPACITOR	0.12uF 25V K	
C6583	NCB21EK-124X	C CAPACITOR	0.12uF 25V K	
C6584	NCB21EK-124X	C CAPACITOR	0.12uF 25V K	
C6585	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6586	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6587	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6588	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6601	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6602	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6603	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6604	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6621	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6622	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6623	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6624	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6625	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6626	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C6627	QETM1EM-228	E CAPACITOR	2200uF 25V M	
C6628	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6629	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C6630	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C6631	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C6632	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C6633	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C6634	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C6635	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C6636	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C6641	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6642	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6643	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6651	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6681	QETM1CM-478	E CAPACITOR	4700uF 16V M	
C6682	QETM1CM-478	E CAPACITOR	4700uF 16V M	
C6683	QETM1CM-478	E CAPACITOR	4700uF 16V M	
C6684	QETM1CM-478	E CAPACITOR	4700uF 16V M	
R6421	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6501	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R6502	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R6503	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6504	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6506	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6507	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R6508	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R6509	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6510	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6511	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6512	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6513	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6514	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6515	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6519	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6521	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6522	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R6523	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6524	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6525	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6526	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6527	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6528	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6529	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6530	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6531	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6532	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6533	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6534	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6535	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6536	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6537	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6538	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6539	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6540	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6541	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6542	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6543	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6544	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	
R6545	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	
R6546	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R6547	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R6551	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6552	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6553	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6554	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6555	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6556	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6557	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R6558	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R6559	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R6560	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R6561	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6562	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6563	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R6564	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6565	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R6566	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6567	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R6568	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6569	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R6571	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R6572	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R6573	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R6574	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R6575	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R6576	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R6577	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R6578	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R6579	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R6580	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R6581	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R6582	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R6583	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R6584	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R6585	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R6586	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R6587	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R6588	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R6591	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R6595	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6596	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6601	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R6602	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6603	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6604	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6605	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R6606	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6607	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6608	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6609	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R6610	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6611	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6612	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6613	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R6614	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6615	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6616	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
⚠R6621	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
⚠R6622	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
⚠R6623	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
⚠R6624	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
⚠R6625	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
⚠R6626	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
⚠R6627	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
⚠R6628	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
R6641	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R6642	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R6643	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6644	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6645	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6646	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R6647	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6648	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6649	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R6653	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6654	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6661	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6671	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6672	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6673	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R6674	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6681	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	
R6682	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	
R6683	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	
R6684	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	
R6689	QRL039J-221	OMF RESISTOR	220Ω 3W J	
R6690	QRL039J-221	OMF RESISTOR	220Ω 3W J	
TH6671	QAD0125-471	P THERMISTOR	110°C 470Ω 16V	

DISPLAY INTERFACE PW BOARD ASS’Y (LCA10288-06E)

⚠Ref No.	Part No.	Part Name	Description	Local
IC101	PQ1CY1032Z-W	IC		
IC102	BA12FP-X	IC		
IC103	BA05FP-X	IC		
IC301	MN82860	IC	208pin	
IC401	JCC5056A	IC	256pin	
IC405	R1170H251B-X	IC		
IC501	SII169CT100	IC	100pin	
IC502	S-80828CLNB-W	IC		
IC601	DS90CF383AMTD-X	IC	or THC63LVDM83R-W	
IC603	SN74LVC1G08V-X	IC		
IC801	BA033FP-X	IC		
IC802	BA05FP-X	IC		
IC803	ICL3221CA-X	IC		
IC804	CD74HC4053PW-X	IC		
IC805	AT24C1642V31SUE	IC	(SERVICE)	
IC807	HD64F3687H	IC(MCU)		
IC808	TC74VHCT541AFTX	IC		
IC809	S-80840CLNB-W	IC		
Q101	2SC3928A/QR/-X	TRANSISTOR		
Q703	2SK2090-X	MOS FET		
Q704	2SK2090-X	MOS FET		
Q801	2SK2090-X	MOS FET		
Q802	2SK2090-X	MOS FET		
Q803	2SA1530A/QR/-X	TRANSISTOR		
Q804	2SC3928A/QR/-X	TRANSISTOR		
Q805	2SK2090-X	MOS FET		
Q806	2SK2090-X	MOS FET		
Q807	2SA1530A/QR/-X	TRANSISTOR		
D101	EC30HA03L-X	SB DIODE		
D102	PTZ6.8B-X	Z DIODE		
D501	BAV99L-X	SI DIODE		
D502	BAV99L-X	SI DIODE		
D503	BAV99L-X	SI DIODE		
D504	BAV99L-X	SI DIODE		
D505	BAV99L-X	SI DIODE		
D506	BAV99L-X	SI DIODE		
D507	BAV99L-X	SI DIODE		
D508	BAV99L-X	SI DIODE		
D509	BAV99L-X	SI DIODE		
D510	BAV99L-X	SI DIODE		
D611	MA8056/M/-X	Z DIODE		
D803	MA111-X	SI DIODE		
D804	MA8056/M/-X	Z DIODE		
D901	1SS355-X	SI DIODE		
D902	1SS355-X	SI DIODE		
C103	QETM1EM-477	E CAPACITOR	470uF 25V M	
C104	NCB11EK-104X	C CAPACITOR	0.1uF 25V K	
C105	QETM0JM-108	E CAPACITOR	1000uF 6.3V M	
C108	NEH71EM-336X	E CAPACITOR	33uF 25V M	

⚠Ref No.	Part No.	Part Name	Description	Local
C109	NEH71EM-336X	E CAPACITOR	33uF 25V M	
C112	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C113	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C114	NEH71AM-107X	E CAPACITOR	100uF 10V M	
C117	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C301	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C302	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C303	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C304	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C305	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C306	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C307	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C308	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C309	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C310	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C311	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C312	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C313	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C314	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C315	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C316	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C317	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C318	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C319	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C320	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C321	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C322	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C323	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C324	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C325	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C326	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C327	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C328	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C329	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C330	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C331	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C332	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C333	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C334	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C401	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C402	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C403	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
C404	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C405	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C406	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C407	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C408	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C409	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C410	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C411	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C412	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C413	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C414	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C415	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C416	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C417	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C418	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C419	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C420	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C421	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C501	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C502	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C503	NEH70JM-226X	E CAPACITOR	22uF 6.3V M	
C504	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C505	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C506	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C507	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C508	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C509	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C510	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C511	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C512	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C513	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C514	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C515	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C516	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C517	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C601	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C602	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C603	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C604	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C610	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C611	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C612	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C614	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C802	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C803	NEH70JM-226X	E CAPACITOR	22uF 6.3V M	

⚠Ref No.	Part No.	Part Name	Description	Local
C804	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C805	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C806	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C807	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C809	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C810	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C811	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C812	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C813	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C814	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C815	NEH70JM-226X	E CAPACITOR	22uF 6.3V M	
C816	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C817	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C818	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C819	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C820	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C821	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C823	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C824	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C825	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C826	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C828	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C829	NEH70JM-226X	E CAPACITOR	22uF 6.3V M	
C832	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
R101	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D	
R102	NRSA63D-122X	MG RESISTOR	1.2kΩ 1/16W D	
R103	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R104	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R105	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R301	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R303	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R307	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R309	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R311	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R312	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R313	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R314	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R315	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R316	NRSA63J-564X	MG RESISTOR	560kΩ 1/16W J	
R317	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R318	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R319	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R320	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R321	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R323	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R324	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R325	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R327	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R330	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R331	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R401	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R402	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R403	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R404	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R406	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R407	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R408	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R409	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R410	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R412	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R413	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R414	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R415	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J x4	
R416	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J x4	
R417	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J x4	
R418	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J x4	
R419	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J x4	
R420	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J x4	
R421	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R422	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R423	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R424	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R425	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R426	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R427	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R428	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R441	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R501	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R502	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R505	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R506	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R507	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R510	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R511	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R512	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R513	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R514	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R515	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R516	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R517	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R526	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R528	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R531	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R532	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R533	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R602	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R603	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R618	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R619	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R621	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R626	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R628	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R801	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R802	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R803	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R804	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R805	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R806	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R807	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R808	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R809	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R810	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R811	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R812	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R813	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R814	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R815	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R816	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R817	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R818	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R821	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R822	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R824	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R828	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R829	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R830	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R831	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R833	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R837	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R838	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R839	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R842	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R843	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R844	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R845	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R846	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R847	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R848	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R849	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R850	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R851	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R852	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R853	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R854	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R855	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R856	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R857	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R858	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R859	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R861	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R864	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R865	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R866	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R867	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R868	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R870	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R871	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R872	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R873	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R875	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R876	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R877	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R878	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R879	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R880	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R881	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R882	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R883	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R884	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R885	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R886	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R887	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R890	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R891	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R892	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R893	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R894	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R895	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R896	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R897	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R898	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R899	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R900	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R903	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R904	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R906	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R908	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R911	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R912	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R914	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R915	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R917	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R918	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R919	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R920	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R921	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R927	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R933	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R934	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R940	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R943	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RA601	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA602	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA603	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA604	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA605	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA606	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
L101	NQL63EM-680X	COIL	68uH M	
L301	NQR0351-001X	FERRITE BEADS		
L302	NQR0351-001X	FERRITE BEADS		
L401	NQR0351-001X	FERRITE BEADS		
L402	NQR0351-001X	FERRITE BEADS		
L501	NQR0351-001X	FERRITE BEADS		
L601	NQR0351-001X	FERRITE BEADS		
L801	NQR0351-001X	FERRITE BEADS		
L802	NQR0351-001X	FERRITE BEADS		
K301	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K801	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K803	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K804	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
X801	QAX0534-001	C RESONATOR	16.000MHz	
Y101	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y102	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y801	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

TEMP. SENSOR PW BOARD ASS’Y (LCA90146-03B)

⚠Ref No.	Part No.	Part Name	Description	Local
IC8101	TCN75-5.0MOA-X	IC		
C8101	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
R8101	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8103	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	

LINE FILTER PW BOARD ASS’Y (LCA90143-08E)

⚠Ref No.	Part No.	Part Name	Description	Local
⚠C9901	QFZ9075-225	MPP CAPACITOR	2.2uF AC275V M	
⚠C9904	QFZ9075-224	MPP CAPACITOR	0.22uF AC275V M	
⚠C9912	QCZ9079-681	C CAPACITOR	680pF AC250V K	
⚠C9913	QCZ9079-681	C CAPACITOR	680pF AC250V K	
⚠R9902	QRZ9046-105Z	C RESISTOR	1MΩ 1/2W K	

⚠Ref No.	Part No.	Part Name	Description	Local
⚠F9901	QMFZ041-100-J1	FUSE	10A 250V	
⚠J9901	QNC0099-001	AC INLET(NOISE)	POWER CONNECTOR	
⚠LF9901	QQR1281-002	LINE FILTER		
⚠LF9902	QQR1281-002	LINE FILTER		
VA9901	ERZV10V621CS	ZNR		
	LC32445-001B	AC INLET BKT		

DISPLAY LED PW BOARD ASS’Y (LCA90147-02B)

⚠Ref No.	Part No.	Part Name	Description	Local
IC1742	GP1UA261XK	IR DETECT UNIT	38kHz	
Q1741	UN2212-X	DIGI TRANSISTOR		
Q1742	UN2212-X	DIGI TRANSISTOR		
D1743	SPR-39MVWF	LED	POWER	
C1742	QER61CM-476Z	E CAPACITOR	47uF 16V M	
R1741	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1742	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1743	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1744	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1748	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1754	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1757	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
	LC40656-002A	LED SPACER		

DISPLAY SWITCH PW BOARD ASS’Y (LCA90148-03C)

⚠Ref No.	Part No.	Part Name	Description	Local
R2701	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2702	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R2703	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2704	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
S2701	QSW0619-003Z	TACT SWITCH	VOL+	
S2702	QSW0619-003Z	TACT SWITCH	CH-	
S2703	QSW0619-003Z	TACT SWITCH	SIZE	
S2704	QSW0619-003Z	TACT SWITCH	INPUT	
S2705	QSW0619-003Z	TACT SWITCH	CH+	
S2706	QSW0619-003Z	TACT SWITCH	VOL-	
S2707	QSW0619-003Z	TACT SWITCH	POWER	

VIDEO SMPS PW BOARD ASS’Y (LJ44-00050A)

⚠Ref No.	Part No.	Part Name	Description	Local
⚠	LJ44-00050A	VIDEO SMPS PWB		

SMPS PW BOARD ASS’Y (LJ44-00053A)

⚠Ref No.	Part No.	Part Name	Description	Local
⚠	LJ44-00053A	SMPS PWB		

X-MAIN PW BOARD ASS’Y (LJ92-00758A)

⚠Ref No.	Part No.	Part Name	Description	Local
⚠	LJ92-00758A	X-MAIN PWB		

Y-MAIN PW BOARD ASS’Y (LJ92-00759A)

⚠Ref No.	Part No.	Part Name	Description	Local
⚠	LJ92-00759A	X-MAIN PWB		

E-BUFFER PW BOARD ASS’Y (LJ92-00777A)

⚠Ref No.	Part No.	Part Name	Description	Local
⚠	LJ92-00777A	E-BUFFER PWB		

F-BUFFER PW BOARD ASS’Y (LJ92-00778A)

⚠Ref No.	Part No.	Part Name	Description	Local
⚠	LJ92-00778A	F-BUFFER PWB		

G-BUFFER PW BOARD ASS’Y (LJ92-00779A)

⚠Ref No.	Part No.	Part Name	Description	Local
⚠	LJ92-00779A	G-BUFFER PWB		

LOGIC-MAIN PW BOARD ASS’Y (LJ92-00791A)

⚠Ref No.	Part No.	Part Name	Description	Local
⚠	LJ92-00791A	LOGIC-MAIN PWB		

Y-BUFFER-U PW BOARD ASS’Y (LJ92-00796A)

⚠Ref No.	Part No.	Part Name	Description	Local
⚠	LJ29-00796A	Y-BUFFER-U PWB		

Y-BUFFER-L PW BOARD ASS’Y (LJ92-00797A)

⚠Ref No.	Part No.	Part Name	Description	Local
⚠	LJ92-00797A	Y-BUFFER-L PWB		

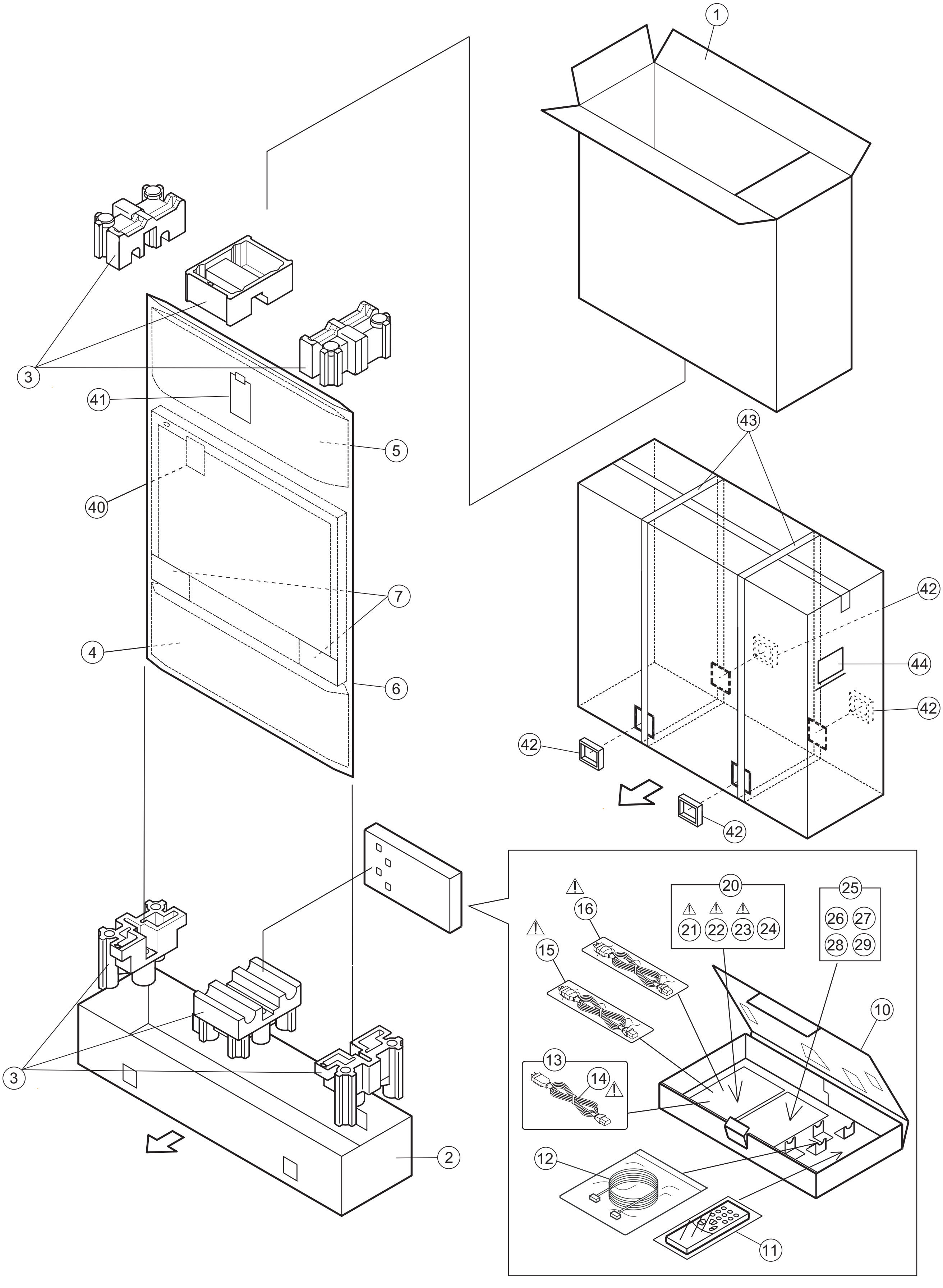
REMOTE CONTROL UNIT PARTS LIST (RM-C1808-1C)

⚠Ref No.	Part No.	Part Name	Description	Local
	2AA070311	BATTERY COVER		

PACKING PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	LC21379-002A	PACKING CASE	TOP	
	2	LC21381-001A	PACKING CASE	BOTTOM	
	3	LC11669-001A	CUSHION ASS'Y	6pcs in 1set	
	4	LC41035-003A	POLY BAG		
	5	LC41035-005A	POLY BAG		
	6	LC30236-005A	POLY BAG		
	7	LC32526-001A	PROTECT SHEET	(x2)	
	10	LC21264-001A	ACCESSORY CASE		
	11	RM-C1808-1C	REMOCON UNIT	Inc.POLY BAG	
	12	QAM0449-001	PDP I/F CABLE	SYSTEM CABLE 3m Inc.POLY BAG	
	13	QPA01203005	POLY BAG	12cm x 30cm	VM-42DV2
⚠	14	QMPL050-250-K	POWER CORD(EU)	2.5m BLACK	VM-42DV2
⚠	15	QMPP170-200-JC	POWER CORD(EK)	Inc.POLY BAG	
⚠	16	QMPB320-180-R	POWER CORD(JP)	1.8m BLACK	VM-42DV2
	20	QPA02503505P	POLY BAG	25cm x 35cm	
⚠	21	LCT1445-001A	INST BOOK	English	
⚠	22	LCT1446-001A	DIGEST MANUAL		
⚠	23	LCT1478-001A	CAUTION BOOK		
	24	LCT1561-001A	INST SHEET		VM-42DV2
	25	QPA01203005	POLY BAG	12cm x 30cm	
	26	QQR1454-001	CORE FILTER	(x2)	VM-42DV2
	27	LC41320-001A	NYRON CLUMP	HOOK(x2)	
	28	-----------	BATTERY	AA/R6 (x2)	
	29	QYSPSPD5016M	SCREW	For MOUNTING HOOK(x2)	
	40	LCT1544-001A	CAUTION SHEET		
	41	LC41750-001A	INST SHEET	Caution of carrying	
	42	CP30903-001	JOINT	(x4)	
	43	CP30371-00D	BAND	(x2)	
	44	LC20989-001A-H	CORNER LABEL	(x2)	

PACKING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[RECEIVER UNIT : TU-42DV2, TU-42DV2/S]

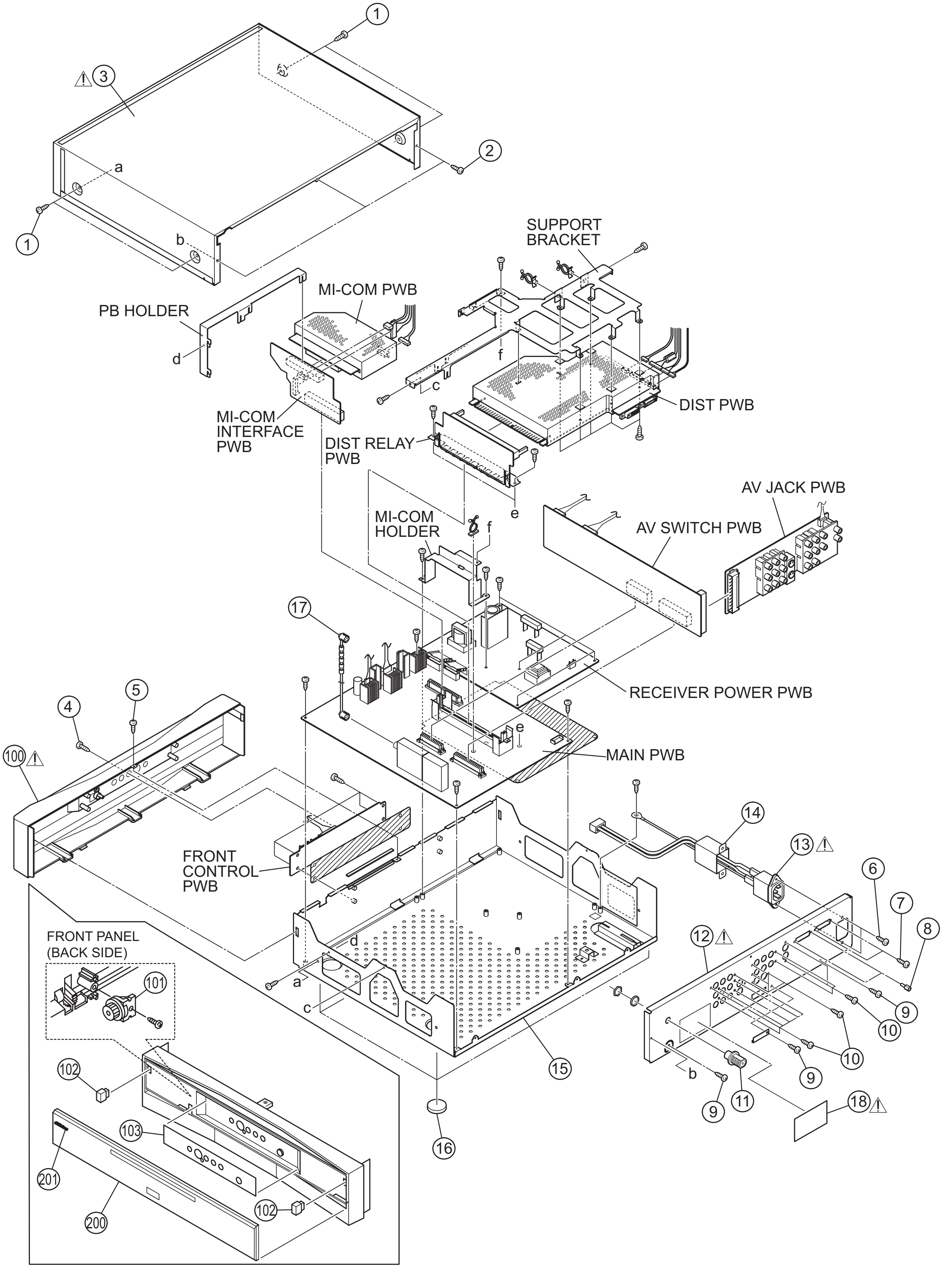
USING P.W. BOARD

P.W.B ASS'Y	TU-42DV2	TU-42DV2/S
MAIN P.W.B	LCA10335-05A	←
FRONT CONTROL P.W.B	LCA90065-03C	←
RECEIVER POWER P.W.B	LCA90066-03C	←
MI-COM P.W.B	LCA20002-05C	←
MI-COM INTERFACE P.W.B	LCA90216-03A	←
AV JACK P.W.B	LCA90250-01A	←
AV SWITCH P.W.B	LCA90221-02A	←
DIST P.W.B	LCA10336-02B	←
DIST RELAY P.W.B	LCA90071-03B	←

EXPLODED VIEW PARTS LIST - 1

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	CM43096-002	SPECIAL SCREW	(x4)	
	2	QYSDSG3008N	TAP SCREW	3mm x 8mm(x3)	
⚠	3	LC11331-006A	TOP COVER		
	4	QYSBSF3010M	TAP SCREW	3mm x 10mm	
	5	QYSDSG3008N	TAP SCREW	3mm x 8mm	
	6	QYSPSPL3008M	SCREW	3mm x 8mm(x2)	
	7	QYSPSPL2608N	SCREW	2.6mm x 8mm(x2)	
	8	QNB0036-001	HEX SCREW	(x2)	
	9	QYSDSG3008N	TAP SCREW	3mm x 8mm(x3)	
	10	QYSBSF3010M	TAP SCREW	3mm x 10mm(x14)	
	11	CE42112-002	PALJ CONNECTOR		
⚠	12	LC21211-003A	BACK COVER		TU-42DV2
⚠	12	LC21211-004A	BACK COVER		TU-42DV2/S
⚠	13	QNC0085-002	AC INLET(NOISE)		
	14	LC31946-001A	INLET SHIELD		
	15	LC11330-006A	BOTTOM CASE		
	16	LC41284-001A	FOOT	(x4)	
	17	CHGY0017-0A-YS	ANT.CABLE ASSY		
⚠	18	CM47139-001(R)	SERIAL LABEL		
⚠	100	LC11328-017A	FRONT PANEL ASS'Y	Inc.101,102,103	
	101	QZW0055-003	DAMPER		
	102	QZW0063-001	MAGNET LATCH		
	200	LC21099-003B	DOOR ASS'Y	Inc.201	
	201	PQ45130-6	JVC MARK		

EXPLODED VIEW - 1



①
⚠③
②
a
①
b
SUPPORT BRACKET
MI-COM PWB
PB HOLDER
d
f
c
DIST PWB
MI-COM INTERFACE PWB
DIST RELAY PWB
AV JACK PWB
e
MI-COM HOLDER
f
AV SWITCH PWB
⑰
RECEIVER POWER PWB
⑤
④
⑩⓪ ⚠
e
MAIN PWB
⑭
⑬ ⚠
FRONT CONTROL PWB
⑥
⑦
⑧
⑫ ⚠
FRONT PANEL (BACK SIDE)
(101)
d
a
c
⑨
⑩
⑩
⑨
⑮
(102)
b
⑨
⑪
⑱ ⚠
(103)
⑯
(201)
(200)
(102)

PRINTED WIRING BOARD PARTS LIST

MAIN PW BOARD ASS’Y (LCA10335-05A)

⚠Ref No.	Part No.	Part Name	Description	Local
IC101	AN15851A-W	IC		
IC201	TA1318N	IC		
IC202	TC7W08F-X	IC		
IC402	SN74HC14NS-X	IC		
IC701	AT24C6442V31BUE	IC	(SERVICE)	
IC703	R1141Q331B-X	IC		
IC706	JLC1562BF-X	IC		
IC707	JLC1562BF-X	IC		
IC902	SI-8090S	IC		
IC903	SI-8050S	IC		
IC904	SI-8033S/F1	IC		
IC905	PQ070XH02Z-W	IC		
IC908	PQ15RW11	IC		
Q001	2SC3928A/QR/-X	TRANSISTOR		
Q101	2SC3928A/QR/-X	TRANSISTOR		
Q102	2SC3928A/QR/-X	TRANSISTOR		
Q103	2SC3928A/QR/-X	TRANSISTOR		
Q111	2SC3928A/QR/-X	TRANSISTOR		
Q112	2SC3928A/QR/-X	TRANSISTOR		
Q113	2SC3928A/QR/-X	TRANSISTOR		
D421	MA8150/M/-X	Z DIODE		
D422	MA111-X	SI DIODE		
D609	MA111-X	SI DIODE		
D771	MA3056/M/-X	Z DIODE		
D772	MA3056/M/-X	Z DIODE		
D773	MA3056/M/-X	Z DIODE		
D774	MA3056/M/-X	Z DIODE		
D902	RK34-LFC4	SB DIODE		
D903	SF5S4	SB DIODE		
D904	SF5S4	SB DIODE		
D905	PTZ6.8B-X	Z DIODE		
D906	MA111-X	SI DIODE		
D992	MA111-X	SI DIODE		
D993	MA111-X	SI DIODE		
D994	MA111-X	SI DIODE		
D995	MA111-X	SI DIODE		
D996	MA111-X	SI DIODE		
C001	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C002	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C004	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C005	QETN1AM-228Z	E CAPACITOR	2200uF 10V M	
C006	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C007	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C011	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C012	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C013	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C014	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C015	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C016	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C017	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C018	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C105	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C106	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C107	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C108	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C109	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C110	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C111	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C112	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C113	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C114	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C115	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C116	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C117	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C118	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C119	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C120	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C121	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C122	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C123	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C124	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C201	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C202	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C203	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C205	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C206	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C207	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C208	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C406	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C407	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C421	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C431	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C432	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C433	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C434	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C435	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C437	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C438	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C439	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C440	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C701	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C705	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C711	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C715	NCB31CK-563X	C CAPACITOR	0.056uF 16V K	
C716	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C903	QETM1EM-228	E CAPACITOR	2200uF 25V M	
C904	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C905	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C906	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C907	QETM1EM-228	E CAPACITOR	2200uF 25V M	
C908	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C909	QEZ0256-128	E CAPACITOR	1200uF 10V M	
C911	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C912	QETM1EM-228	E CAPACITOR	2200uF 25V M	
C913	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C914	QEZ0256-128	E CAPACITOR	1200uF 10V M	
C916	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C917	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C918	QETN0JM-228Z	E CAPACITOR	2200uF 6.3V M	
C927	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
R002	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R007	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R008	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R009	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R012	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R013	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R101	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R102	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R103	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R107	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R108	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R109	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R111	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R112	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R113	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R117	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R118	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R119	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R123	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R124	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R201	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R202	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R203	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R204	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R205	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R206	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R207	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R208	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R209	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R210	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R211	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R212	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R215	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R216	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R421	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R422	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R701	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R702	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R703	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R704	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R705	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R706	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R711	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R716	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R718	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R719	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R721	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R723	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R724	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R725	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R727	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R728	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R729	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R730	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R731	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R732	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R735	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R736	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R737	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R738	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R739	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R740	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R741	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R742	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R743	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R744	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R745	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R746	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R747	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R748	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R749	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R751	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R752	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R753	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R772	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R773	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R774	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R775	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R776	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R902	QRK126J-5R6X	UNF C RESISTOR	5.6Ω 1/2W J	
R903	NRSA02J-152X	MG RESISTOR	1.5kΩ 1/10W J	
R904	NRSA02J-152X	MG RESISTOR	1.5kΩ 1/10W J	
R906	NRSA02J-152X	MG RESISTOR	1.5kΩ 1/10W J	
R907	QRK126J-220X	UNF C RESISTOR	22Ω 1/2W J	
R908	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R910	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R911	QRK126J-5R6X	UNF C RESISTOR	5.6Ω 1/2W J	
R912	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R914	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R915	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R916	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R917	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R918	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R920	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D	
R921	NRSA63D-471X	MG RESISTOR	470Ω 1/16W D	
R922	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
L001	QQL244K-270Z	COIL	27uH K	
L002	QQL244K-100Z	COIL	10uH K	
L004	QQL244K-100Z	COIL	10uH K	
L005	QQL244K-100Z	COIL	10uH K	
L201	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
L431	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
L432	QQL26AK-100Z	COIL	10uH K	
L433	QQL26AK-100Z	COIL	10uH K	
L902	QQR1129-003	CHOKE COIL		
L903	QQL50AK-330Z	COIL	33uH K	
L905	QQR1127-003	CHOKE COIL		
L906	QQL26AK-220Z	COIL	22uH K	
L907	QQL26AK-820Z	COIL	82uH K	
L908	QQR1127-003	CHOKE COIL		
L909	QQL50AK-100Z	COIL	10uH K	
K901	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
K902	QQR0582-001Z	FERRITE BEADS		
K903	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
K904	QQR0582-001Z	FERRITE BEADS		
TU001	QAU0217-001	TUNER		
X201	CSB503F30	C RESONATOR		
Y004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y009	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y010	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y012	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y701	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
	LC32118-001A	SHIELD PLATE	(x2)	

FRONT CONTROL PW BOARD ASS’Y (LCA90065-03C)

⚠Ref No.	Part No.	Part Name	Description	Local
Q8801	UN2112-X	TRANSISTOR		
Q8802	UN2112-X	TRANSISTOR		
Q8803	UN2212-X	DIGI TRANSISTOR		
D8601	MA3039/H/-X	Z DIODE		
D8801	SPR-39MVWF	LED	POWER	
C8001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C8002	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C8003	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C8004	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C8310	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C8311	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C8321	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
R8001	QRE121J-271Y	C RESISTOR	270Ω 1/2W J	
R8002	QRE121J-271Y	C RESISTOR	270Ω 1/2W J	
R8010	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8021	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R8022	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R8023	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8315	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R8316	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R8317	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R8801	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R8802	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R8804	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
L8001	QQR0716-001Z	FERRITE BEADS		
L8002	QQL244K-5R6Z	COIL	5.6uH K	
L8003	QQL244K-5R6Z	COIL	5.6uH K	
L8310	QQL244K-270Z	COIL	27uH K	
L8311	QQL244K-270Z	COIL	27uH K	
L8312	QQR0716-001Z	FERRITE BEADS		
J8001	QNS0169-001	3.5 JACK	HEADPHONE	
J8303	QNZ0438-001	AV JACK	VIDEO5	
S8001	QSW0619-003Z	TACT SWITCH	POWER	
Y8002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
	LC30188-001B	LED HOLDER		

RECEIVER POWER PW BOARD ASS’Y (LCA90066-03C)

⚠Ref No.	Part No.	Part Name	Description	Local
IC9901	STR-G6653	IC		
⚠IC9931	QAL0515-001	IC		
IC9932	MM1565AF-X	IC		
Q9971	2SC3928A/QR/-X	TRANSISTOR		
Q9972	2SC1627A/Y/-T	TRANSISTOR		
D9902	RG1C-LFA1	SI DIODE		
D9903	MA3068/M/-X	Z DIODE		
D9904	AU01Z-T2	SI DIODE		
D9905	AU01Z-T2	SI DIODE		
D9906	MA3270/H/-X	Z DIODE		
D9907	MA111-X	SI DIODE		
D9908	MA3150/M/-X	Z DIODE		
D9910	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
D9931	S1WB/A/60-4101	BRIDGE DIODE		
D9941	MA111-X	SI DIODE		
D9951	EU2-T3	SI DIODE		
D9952	FMX-G12S	SI DIODE		
D9953	MTZJ33B-T2	Z DIODE		
D9954	NJM431L-T	IC		
D9971	MA111-X	SI DIODE		
⚠C9901	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	
⚠C9902	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	
⚠C9903	QFZ9072-473	MM CAPACITOR	0.047uF AC250V K	
⚠C9904	QCZ9054-472	C CAPACITOR	4700pF AC250V Z	
⚠C9905	QCZ9054-472	C CAPACITOR	4700pF AC250V Z	
⚠C9906	QCZ9054-472	C CAPACITOR	4700pF AC250V Z	
C9907	QEZ0199-127	E CAPACITOR	120uF 400V M	
C9908	QCB32HK-103	C CAPACITOR	0.01uF 500V K	
C9909	QCZ0340-391	C CAPACITOR	390pF 2kV K	

⚠Ref No.	Part No.	Part Name	Description	Local
C9910	QCB32HK-152Z	C CAPACITOR	1500pF 500V K	
C9911	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C9912	QCZ0340-561	C CAPACITOR	560pF 2kV K	
C9913	NDC21HJ-122X	C CAPACITOR	1200pF 50V J	
C9915	NDC21HJ-471X	C CAPACITOR	470pF 50V J	
⚠C9931	QCZ9054-472	C CAPACITOR	4700pF AC250V Z	
⚠C9932	QCZ9054-472	C CAPACITOR	4700pF AC250V Z	
⚠C9933	QCZ9054-472	C CAPACITOR	4700pF AC250V Z	
C9934	QETM2GM-226	E CAPACITOR	22uF 400V M	
C9941	QTMN1CM-477Z	E CAPACITOR	470uF 16V M	
C9942	QETN1AM-337Z	E CAPACITOR	330uF 10V M	
C9943	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C9944	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C9946	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C9952	QETN1HM-227Z	E CAPACITOR	220uF 50V M	
C9954	QEZ0257-228	E CAPACITOR	2200uF 25V M	
C9955	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C9956	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	
⚠C9997	QCZ9079-471	C CAPACITOR	470pF AC250V K	
⚠C9999	QCZ9079-222	C CAPACITOR	2200pF AC250V M	
R9901	QRF074K-5R6	UNF WW RESISTOR	5.6Ω 7W K	
R9902	QRE121J-334Y	C RESISTOR	330kΩ 1/2W J	
R9903	QRE121J-334Y	C RESISTOR	330kΩ 1/2W J	
R9904	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9905	QRL029J-823	OMF RESISTOR	82kΩ 2W J	
R9906	QRL029J-823	OMF RESISTOR	82kΩ 2W J	
R9907	QRL029J-273	OMF RESISTOR	27kΩ 2W J	
⚠R9908	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J	
R9909	QRE121J-182Y	C RESISTOR	1.8kΩ 1/2W J	
R9911	QRE121J-332Y	C RESISTOR	3.3kΩ 1/2W J	
R9912	QRE121J-681Y	C RESISTOR	680Ω 1/2W J	
R9914	QRT029J-R47	MF RESISTOR	0.47Ω 2W J	
R9931	QRF054K-8R2	UNF WW RESISTOR	8.2Ω 5W K	
R9951	QRL039J-561	OMF RESISTOR	560Ω 3W J	
R9952	QRE121J-562Y	C RESISTOR	5.6kΩ 1/2W J	
R9953	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9954	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R9955	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R9956	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9958	NRSA63J-753X	MG RESISTOR	75kΩ 1/16W J	
R9971	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9972	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9973	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
⚠R9999	QRZ9046-825Z	C RESISTOR	8.2MΩ 1/2W K	
L9941	QQL26AM-4R7Z	COIL	4.7uH M	
L9951	QQL26AK-220Z	COIL	22uH K	
L9952	QQLZ018-220	COIL	22uH	
L9971	QQL26AK-220Z	COIL	22uH K	
⚠T9901	QQS0198-001	SW TRANSF		
⚠PC9901	PC123Y22	PHOTO COUPLER		
⚠CP9901	QMFZ043-2R0Z-J1	FUSE	2A AC250V	
⚠CP9902	QMFZ043-2R0Z-J1	FUSE	2A AC250V	
⚠F9901	QMF51D2-2R5-J1	FUSE	2.5A AC250V	
K9901	QQR0679-001	FERRITE BEADS		
⚠LF9901	QQR1084-002	LINE FILTER		
⚠LF9902	QQR1084-002	LINE FILTER		
⚠RY9951	QSK0099-001	RELAY		
VA9901	QAF0052-621	VARISTOR	620V	
W9201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W9202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W9203	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W9204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

MI-COM PW BOARD ASS’Y (LCA20002-05C)

⚠Ref No.	Part No.	Part Name	Description	Local
IC001	SDA6000-B12	IC	128pin	
IC002	S-80828CNNB-W	IC		
IC003	K4S641632F-TC75	IC(DIGITAL)		
IC004	MBV160T90PTB04	IC(MICRO C ROM)		
IC901	TA48M025F-X	IC		
IC902	TA48M033F-X	IC		
Q001	2SC3928A/QR/-X	TRANSISTOR		
Q003	2SC3928A/QR/-X	TRANSISTOR		
Q007	2SA1530A/QR/-X	TRANSISTOR		
Q008	2SA1530A/QR/-X	TRANSISTOR		
Q009	2SC3928A/QR/-X	TRANSISTOR		
Q010	2SC3928A/QR/-X	TRANSISTOR		
Q011	2SC3928A/QR/-X	TRANSISTOR		
Q012	2SC3928A/QR/-X	TRANSISTOR		
Q013	2SK2090-X	MOS FET		
Q014	2SK2090-X	MOS FET		
Q015	2SK2090-X	MOS FET		
Q021	2SC3928A/QR/-X	TRANSISTOR		
Q022	2SC3928A/QR/-X	TRANSISTOR		
D001	MA111-X	SI DIODE		
D002	MA111-X	SI DIODE		
D003	MA3068/M/-X	Z DIODE		
D005	MA3056/M/-X	Z DIODE		
D006	MA3056/M/-X	Z DIODE		
D007	MA3056/M/-X	Z DIODE		
D008	MA3056/M/-X	Z DIODE		
C001	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C002	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C003	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C004	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C005	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C006	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C007	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C008	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C012	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C019	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C020	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C021	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C022	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C023	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	
C024	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C025	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	
C026	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C027	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C028	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C029	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C032	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C034	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C035	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C036	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C038	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C039	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C040	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C041	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C042	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C043	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C045	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C046	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C047	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C048	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C049	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C050	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C051	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C052	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C053	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C054	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C055	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C056	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C057	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C059	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C060	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C061	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C062	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C067	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
R001	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R002	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R003	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R004	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R005	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R006	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R007	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R008	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R009	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R010	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R011	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R012	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R013	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R014	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R015	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R016	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R017	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R018	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R019	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R020	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R022	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R024	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R027	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R030	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R032	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R034	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R035	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R036	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R037	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R038	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R039	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R040	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R041	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R042	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R046	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R047	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R048	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R049	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R050	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R051	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R052	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R053	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R058	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R060	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R061	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R062	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R063	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R064	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R065	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R066	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R067	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R068	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R073	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R075	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R076	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R077	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R087	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R089	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R090	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R095	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R096	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R097	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R098	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R099	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R100	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R101	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R104	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R105	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R106	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R107	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R108	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R109	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R110	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R111	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R112	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R113	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R114	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R117	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R122	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R123	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R124	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R125	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R126	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R127	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R128	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R129	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R130	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R131	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R132	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R133	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R135	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R136	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R137	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R138	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R139	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R147	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R148	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R149	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R151	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R152	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R153	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R154	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R155	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R156	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R158	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R166	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R167	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R168	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R169	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R170	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R171	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R172	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R173	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R174	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L001	NQL092K-4R7X	P COIL	4.7uH K	
L003	NQL092K-4R7X	P COIL	4.7uH K	
L005	NQL092K-4R7X	P COIL	4.7uH K	
L006	NQL092K-4R7X	P COIL	4.7uH K	
L007	NQL092K-4R7X	P COIL	4.7uH K	
L008	NQL092K-4R7X	P COIL	4.7uH K	
L009	NQL034K-4R7X	COIL	4.7uH K	
L010	NQL092K-4R7X	P COIL	4.7uH K	
L011	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L012	NQL092K-4R7X	P COIL	4.7uH K	
L013	NQL092K-4R7X	P COIL	4.7uH K	
L014	NQL092K-4R7X	P COIL	4.7uH K	
L015	NQL034K-4R7X	COIL	4.7uH K	
L016	NQL034K-4R7X	COIL	4.7uH K	
L017	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L018	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L019	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L020	NQL092K-1R5X	P COIL	1.5uH K	
L021	NQL092K-1R5X	P COIL	1.5uH K	
L022	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K001	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J	
K002	NQR0389-003X	FERRITE BEADS		
K003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K004	NQR0389-003X	FERRITE BEADS		
LC001	NQR0313-007X	EMI FILTER	1000pF 50V M	
LC002	NQR0431-001X	EMI FILTER	0.22uF 50V Z	
X001	QAX0669-001Z	CRYSTAL	6MHz	
Y001	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
	LC21181-001B-C	SHIELD FRAME		
	LC21182-001A-C	SHIELD TOP		
	LC21183-001A-C	SHIELD BOTTOM		

MI-COM INTERFACE PW BOARD ASS'Y (LCA90216-03A)

⚠Ref No.	Part No.	Part Name	Description	Local
IC101	CD74HC4066E	IC		
IC102	CD74HC4053E	IC		
Q101	2SC1815/YG/-T	TRANSISTOR		
Q102	DTC144ESA-T	DIGI TRANSISTOR		
C101	QCB31HK-103Z	C CAPACITOR	0.01uF 50V K	
C102	QCB31HK-103Z	C CAPACITOR	0.01uF 50V K	
C103	QCB31HK-103Z	C CAPACITOR	0.01uF 50V K	
C104	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C105	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C106	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
R101	QRK126J-103X	UNF C RESISTOR	10kΩ 1/2W J	
R102	QRK126J-103X	UNF C RESISTOR	10kΩ 1/2W J	
R103	QRK126J-473X	UNF C RESISTOR	47kΩ 1/2W J	
R104	QRK126J-471X	UNF C RESISTOR	470Ω 1/2W J	
R105	QRK126J-471X	UNF C RESISTOR	470Ω 1/2W J	
R106	QRK126J-103X	UNF C RESISTOR	10kΩ 1/2W J	
R107	QRK126J-103X	UNF C RESISTOR	10kΩ 1/2W J	
R108	QRK126J-103X	UNF C RESISTOR	10kΩ 1/2W J	

AV JACK PW BOARD ASS’Y (LCA90250-01A)

⚠Ref No.	Part No.	Part Name	Description	Local
D202	MA3120/M/-X	Z DIODE		
D203	MA3120/M/-X	Z DIODE		
D301	MA3120/M/-X	Z DIODE		
D302	MA3120/M/-X	Z DIODE		
D303	MA3120/M/-X	Z DIODE		
D304	MA3120/M/-X	Z DIODE		
D307	MA3120/M/-X	Z DIODE		
D310	MA3120/M/-X	Z DIODE		
C102	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C104	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C111	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C112	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C113	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C114	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C122	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C124	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C301	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
C311	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
C321	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
C341	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C342	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C651	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C652	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C653	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C654	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
R109	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R117	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R119	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R120	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R124	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R127	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R129	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R301	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R311	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R321	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
J001	QNN0551-001	PIN JACK	VIDEO1	
J002	QNZ0438-001	AV JACK	VIDEO2	
J003	QNZ0438-001	AV JACK	VIDEO3	
J004	QNN0463-001	PIN JACK	VIDEO4 COMP IN	
J005	QNN0493-001	PIN JACK	VIDEO4 L,R IN	
J006	QNN0571-001	PIN JACK	AUDIO L,R OUT	
J007	QNN0551-001	PIN JACK	VIDEO OUT	
K601	CE42681-001Y	CHIP BEADS CORE		
K602	CE42681-001Y	CHIP BEADS CORE		

AV SWITCH PW BOARD ASS’Y (LCA90221-02A)

⚠Ref No.	Part No.	Part Name	Description	Local
IC101	CXA2069Q	IC		
IC501	MSP3415DQGB3GHX	IC		
IC601	RC4558D-X	IC		
IC602	RC4558D-X	IC		
IC603	RC4558D-X	IC		
IC662	RC4558D-X	IC		
IC901	AN77L08-T	IC		
Q101	2SC3928A/QR/-X	TRANSISTOR		
Q102	2SC3928A/QR/-X	TRANSISTOR		
Q103	2SA1530A/QR/-X	TRANSISTOR		
Q104	DTC323TK-X	DIGI TRANSISTOR		
Q105	DTC323TK-X	DIGI TRANSISTOR		
Q106	KTC3199/YG/-T	TRANSISTOR		
Q131	2SA933AS/QR/-T	TRANSISTOR		
Q136	DTC323TK-X	DIGI TRANSISTOR		
Q137	DTC323TK-X	DIGI TRANSISTOR		
Q138	2SA1530A/QR/-X	TRANSISTOR		
Q501	2SC3928A/QR/-X	TRANSISTOR		
Q502	2SC3928A/QR/-X	TRANSISTOR		
Q503	UN2213-X	DIGI TRANSISTOR		
Q601	DTC323TK-X	DIGI TRANSISTOR		
Q602	DTC323TK-X	DIGI TRANSISTOR		
Q603	2SA1530A/QR/-X	TRANSISTOR		
Q604	DTC323TK-X	DIGI TRANSISTOR		
Q605	DTC323TK-X	DIGI TRANSISTOR		
Q606	2SA1530A/QR/-X	TRANSISTOR		
D131	MA3120/M/-X	Z DIODE		
D161	MA3120/M/-X	Z DIODE		
D162	MA3120/M/-X	Z DIODE		
D163	MA3120/M/-X	Z DIODE		
D164	MA3120/M/-X	Z DIODE		
D681	MA3150/M/-X	Z DIODE		
D682	MA3150/M/-X	Z DIODE		
C105	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C115	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C131	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C132	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C133	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C141	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C142	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C143	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C144	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C145	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C146	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C147	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C148	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C149	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C150	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C151	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C152	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C153	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C161	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C162	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C163	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C164	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C165	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C166	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C167	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C168	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C169	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C170	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C171	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C172	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C173	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C174	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C175	QENC1HM-225Z	BP E CAPACITOR	2.2uF 50V M	
C176	QENC1HM-225Z	BP E CAPACITOR	2.2uF 50V M	
C177	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C178	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C179	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C181	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C182	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C183	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C184	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C185	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C190	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C191	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C192	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C193	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C251	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C252	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C343	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C344	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C501	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C502	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C503	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C504	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C505	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C506	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C507	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C508	NCB31HK-821X	C CAPACITOR	820pF 50V K	
C509	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C510	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C511	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J	
C512	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J	
C513	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C514	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C515	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C516	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C517	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C518	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C519	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C520	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C521	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C522	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C523	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C524	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C525	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C526	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C527	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C528	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C529	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C530	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C531	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C532	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C533	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C534	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C535	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C601	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C602	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C603	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C604	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C605	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C606	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C607	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C608	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C609	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C610	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C611	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C612	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C613	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C614	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C615	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C671	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C672	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C673	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C678	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C679	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C681	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C683	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C901	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C902	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C903	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
R101	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R102	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R103	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R104	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R111	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R112	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R113	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R114	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R131	QRG01GJ-101	OMF RESISTOR	100Ω 1W J	
R132	QRK126J-181X	UNF C RESISTOR	180Ω 1/2W J	
R133	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R134	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R135	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R136	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R137	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R138	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R139	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R141	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R142	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R143	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R144	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R145	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R146	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R147	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R148	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R149	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R150	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R151	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R152	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R153	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R154	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R155	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R160	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R162	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R163	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R164	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R165	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R167	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R168	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R169	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R170	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R172	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R173	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R174	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R175	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R176	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R177	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R178	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R179	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R180	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R181	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R182	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R183	QRK126J-151X	UNF C RESISTOR	150Ω 1/2W J	
R184	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R185	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R186	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R187	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R188	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R189	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R190	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R191	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R192	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R193	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R194	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R205	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R215	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R225	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R234	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R235	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R241	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R242	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R250	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R251	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R252	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R253	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R254	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R256	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R259	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R261	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R262	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R264	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R341	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R342	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R343	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R344	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R501	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R502	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R503	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R504	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J	
R505	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R506	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R507	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R510	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R511	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R514	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R515	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R516	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R517	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R518	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R519	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R522	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R602	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R604	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R605	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R606	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R607	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R608	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R609	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R610	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R613	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R614	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R615	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R616	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R617	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R618	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R619	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R620	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R621	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R622	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R623	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R624	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R625	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R626	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R627	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R628	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R629	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R630	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R631	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R632	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R633	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R634	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R635	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R636	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R637	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R639	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R640	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R645	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R646	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R648	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R649	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R671	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R672	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R673	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R674	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R675	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R677	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R678	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R680	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R681	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R682	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R683	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R684	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R685	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R686	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
L501	QQL244K-220Z	COIL	22uH K	
L502	QQL244K-180Z	COIL	18uH K	
L503	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
L504	QQL244K-4R7Z	COIL	4.7uH K	
K501	NQR0389-003X	FERRITE BEADS		
K502	NQR0389-003X	FERRITE BEADS		
LC501	NQR0431-001X	EMI FILTER	0.22uF 50V Z	
X501	CE42546-001Z	CRYSTAL		
Y001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y503	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y601	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y602	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y604	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y606	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y607	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

DIST PW BOARD ASS’Y (LCA10336-02B)

⚠Ref No.	Part No.	Part Name	Description	Local
IC001	TC90A90FG	IC	100pin	
IC002	SN74AHC2G34T-X	IC		
IC003	AD9883AKST-110	IC	80pin	
IC004	SN74AHC2G34T-X	IC		
IC005	MSM514265E-60TS	IC		
IC101	TMC57128GJG	IC	264pin	
IC102	HY5DU283222Q-5	IC	100pin	
IC103	MBV400TC90PFN41	IC(MICRO C ROM)		
IC104	SN74AHC2G74T-X	IC		
IC105	SN74AHC1G08V-X	IC		
IC106	S-80828CLNB-W	IC		
IC107	LP3964EMP-ADJ-X	IC		
IC108	LP3964EMP-ADJ-X	IC		
IC201	JCC5054	IC	254pin	
IC203	R1170H151B-X	IC		
IC206	R1170H251B-X	IC		
IC207	BU2098F-X	IC		
IC210	TLC2932IPW-X	IC		
IC251	UPD64083GF	IC	100pin	
IC253	R1170H251B-X	IC		
IC461	JCC5056A	IC	256pin	
IC464	SN74LV574APW-X	IC(DIGITAL)		
IC465	SN74LVC1G04V-X	IC		
IC466	SN74AHC1G04V-X	IC		
IC501	THS8083APZP	IC	100pin	
IC602	ICL3221CA-X	IC		
IC603	CD74HC4053PW-X	IC		
IC701	TB1274AF	IC		
IC702	TC90A69AF-X	IC		
IC703	TC4053BF/N/-XE	IC		
IC704	BA05FP-X	IC		
IC801	TB1274AF	IC		
IC802	TC90A69AF-X	IC		
IC803	BA05FP-X	IC		
IC901	SII170BCL64	IC		
IC903	IC-PST575M/J/-X	IC		
IC904	R1170H331B-X	IC		
Q101	2SC3928A/QR/-X	TRANSISTOR		
Q102	2SC3928A/QR/-X	TRANSISTOR		
Q103	2SA1530A/QR/-X	TRANSISTOR		
Q104	2SC3928A/QR/-X	TRANSISTOR		
Q105	2SA1530A/QR/-X	TRANSISTOR		
Q106	2SC3928A/QR/-X	TRANSISTOR		
Q107	UN2212-X	DIGI TRANSISTOR		
Q401	2SA1530A/QR/-X	TRANSISTOR		
Q402	2SC3928A/QR/-X	TRANSISTOR		
Q403	2SA1530A/QR/-X	TRANSISTOR		
Q431	2SA1530A/QR/-X	TRANSISTOR		
Q432	2SC3928A/QR/-X	TRANSISTOR		
Q433	2SA1530A/QR/-X	TRANSISTOR		
Q434	2SA1530A/QR/-X	TRANSISTOR		
Q501	2SA1022/BC/-X	TRANSISTOR		
Q502	2SA1022/BC/-X	TRANSISTOR		
Q503	2SA1022/BC/-X	TRANSISTOR		
Q504	2SC3928A/QR/-X	TRANSISTOR		
Q601	2SC3928A/QR/-X	TRANSISTOR		
Q701	2SA1530A/QR/-X	TRANSISTOR		
Q702	2SA1530A/QR/-X	TRANSISTOR		
Q703	2SA1530A/QR/-X	TRANSISTOR		
Q704	2SC3928A/QR/-X	TRANSISTOR		
Q705	2SA1530A/QR/-X	TRANSISTOR		
Q707	2SA1530A/QR/-X	TRANSISTOR		
Q753	2SC3928A/QR/-X	TRANSISTOR		
Q754	2SC3928A/QR/-X	TRANSISTOR		
Q755	2SC3928A/QR/-X	TRANSISTOR		
Q756	2SA1530A/QR/-X	TRANSISTOR		
Q758	2SC3928A/QR/-X	TRANSISTOR		
Q759	2SC3928A/QR/-X	TRANSISTOR		
Q760	2SA1530A/QR/-X	TRANSISTOR		
Q762	2SC3928A/QR/-X	TRANSISTOR		
Q763	2SC3928A/QR/-X	TRANSISTOR		
Q764	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q791	2SC3928A/QR/-X	TRANSISTOR		
Q792	2SC3928A/QR/-X	TRANSISTOR		
Q793	UN2212-X	DIGI TRANSISTOR		
Q801	2SA1530A/QR/-X	TRANSISTOR		
Q802	2SA1530A/QR/-X	TRANSISTOR		
Q853	2SC3928A/QR/-X	TRANSISTOR		
Q854	2SC3928A/QR/-X	TRANSISTOR		
Q855	2SC3928A/QR/-X	TRANSISTOR		
Q856	2SA1530A/QR/-X	TRANSISTOR		
Q858	2SC3928A/QR/-X	TRANSISTOR		
Q859	2SC3928A/QR/-X	TRANSISTOR		
Q860	2SA1530A/QR/-X	TRANSISTOR		
Q862	2SC3928A/QR/-X	TRANSISTOR		
Q863	2SC3928A/QR/-X	TRANSISTOR		
Q864	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q903	2SK2090-X	MOS FET		
Q904	2SK2090-X	MOS FET		
QB001	2SC3928A/QR/-X	TRANSISTOR		
QB002	2SC3928A/QR/-X	TRANSISTOR		
QB003	2SA1530A/QR/-X	TRANSISTOR		
QB005	2SC3928A/QR/-X	TRANSISTOR		
QB006	2SC3928A/QR/-X	TRANSISTOR		
QB007	2SA1530A/QR/-X	TRANSISTOR		
QB009	2SC3928A/QR/-X	TRANSISTOR		
QB010	2SC3928A/QR/-X	TRANSISTOR		
QB011	2SA1530A/QR/-X	TRANSISTOR		
QB020	2SK2090-X	MOS FET		
QB021	2SK2090-X	MOS FET		
QB101	2SC3837K/NP/-X	TRANSISTOR		
QB102	2SA1022/BC/-X	TRANSISTOR		
QB103	2SC3837K/NP/-X	TRANSISTOR		
QB104	2SA1022/BC/-X	TRANSISTOR		
QB105	2SC3837K/NP/-X	TRANSISTOR		
QB106	2SA1022/BC/-X	TRANSISTOR		
QB107	HN1C01F/Y/-X	PAIR TRANSISTOR		
QB108	HN1C01F/Y/-X	PAIR TRANSISTOR		
QB109	HN1C01F/Y/-X	PAIR TRANSISTOR		
D601	1SS355-X	SI DIODE		
D602	1SS355-X	SI DIODE		
D902	BAV99L-X	SI DIODE		
D903	BAV99L-X	SI DIODE		
D904	BAV99L-X	SI DIODE		
D905	BAV99L-X	SI DIODE		
D906	BAV99L-X	SI DIODE		
D907	BAV99L-X	SI DIODE		
D908	BAV99L-X	SI DIODE		
D909	BAV99L-X	SI DIODE		
D910	BAV99L-X	SI DIODE		
D911	BAV99L-X	SI DIODE		
D912	BAV99L-X	SI DIODE		
C001	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
C002	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C003	NCB21CK-334X	C CAPACITOR	0.33uF 16V K	
C004	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C005	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
C006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C007	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C008	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C009	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C010	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C101	NEN51AM-336X	BP E CAPACITOR	33uF 10V M	

⚠Ref No.	Part No.	Part Name	Description	Local
C102	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C103	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C104	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C105	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C106	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C107	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C108	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C110	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
C111	NEN51VM-225X	BP E CAPACITOR	2.2uF 35V M	
C302	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C304	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C305	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
C307	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C308	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C309	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C310	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C313	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C314	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C315	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C316	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C317	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C318	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C319	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C321	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C322	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C323	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C324	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C325	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C326	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C401	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C402	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C403	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C404	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C405	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C406	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C424	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C425	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C431	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C432	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C434	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C436	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C461	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C462	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C463	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C464	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C465	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C466	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C467	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C468	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C469	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C470	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C471	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C472	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C473	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C474	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C475	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C476	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C477	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C478	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C479	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C480	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C481	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C482	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C483	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C501	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C502	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C503	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C504	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C505	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C506	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C507	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C508	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C509	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C510	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C511	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C512	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C513	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C514	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C515	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C516	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C518	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C519	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C520	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C521	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C522	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C524	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C525	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C526	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C527	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C528	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C530	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C531	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C532	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C533	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C534	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C535	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C551	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C552	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C553	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C554	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C556	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C557	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C559	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C560	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C562	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C563	NEN51HM-474X	BP E CAPACITOR	0.47uF 50V M	
C564	NEN51HM-474X	BP E CAPACITOR	0.47uF 50V M	
C565	NEN51HM-474X	BP E CAPACITOR	0.47uF 50V M	
C640	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C651	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C652	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C653	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C654	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C655	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C656	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C691	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C692	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C701	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C702	NCF31CZ-224X	C CAPACITOR	0.22uF 16V Z	
C703	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C704	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C705	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C706	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C707	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C708	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C709	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C713	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C714	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C718	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C719	NDC31HJ-6R0X	C CAPACITOR	6pF 50V J	
C720	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C721	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C722	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C723	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C724	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C726	NDC31HJ-271X	C CAPACITOR	270pF 50V J	
C728	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C731	NEH71EM-226X	E CAPACITOR	22uF 25V M	
C732	NCF31CZ-334X	C CAPACITOR	0.33uF 16V Z	
C750	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C751	NDC31HJ-181X	C CAPACITOR	180pF 50V J	
C752	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C753	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C754	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C755	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C756	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C757	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C758	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C759	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C760	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C761	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C762	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C763	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C764	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C765	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C766	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C767	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C768	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C769	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C770	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C771	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C772	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C773	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C774	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C775	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C776	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C777	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C778	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C779	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C780	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C781	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C782	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C783	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C784	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	

⚠Ref No.	Part No.	Part Name	Description	Local
C785	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C786	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C787	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C788	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C789	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C790	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C791	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C792	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C793	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C794	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C795	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C796	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C797	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C801	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C802	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C803	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C804	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C805	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C806	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C807	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C808	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C809	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C813	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C814	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C818	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C819	NDC31HJ-4R0X	C CAPACITOR	4pF 50V J	
C820	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C821	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C822	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C823	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C824	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C826	NEH71EM-226X	E CAPACITOR	22uF 25V M	
C827	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C828	NCF31CZ-334X	C CAPACITOR	0.33uF 16V Z	
C849	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C850	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C851	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C852	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C853	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C854	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C855	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C856	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C857	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C858	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C859	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C860	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C861	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C862	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C863	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C864	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C865	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C866	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C867	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C868	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C869	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C870	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C871	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C872	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C873	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C874	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C875	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C876	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C877	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C878	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C879	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C880	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C881	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C882	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C883	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C884	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C885	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C886	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C887	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C888	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C889	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C890	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C891	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C892	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C893	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C894	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C901	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C902	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C904	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C905	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C906	NCF41CZ-106X	C CAPACITOR	10uF 16V Z	
C907	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C908	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C909	NCF41CZ-106X	C CAPACITOR	10uF 16V Z	
C910	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C911	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C912	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C913	NCF41CZ-106X	C CAPACITOR	10uF 16V Z	
C914	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C915	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C916	NCF41CZ-106X	C CAPACITOR	10uF 16V Z	
C917	NCF41CZ-106X	C CAPACITOR	10uF 16V Z	
C918	NCF41CZ-106X	C CAPACITOR	10uF 16V Z	
C919	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C920	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C921	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C922	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C930	NEH71HM-475X	E CAPACITOR	4.7uF 50V M	
C931	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C932	NEH71HM-225X	E CAPACITOR	2.2uF 50V M	
C934	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB001	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB002	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
CB003	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
CB004	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
CB006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB007	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB008	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
CB009	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
CB010	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB011	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB012	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
CB013	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
CB014	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB021	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
CB022	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
CB023	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
CB024	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB025	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB026	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB027	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB028	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB029	NEH71CM-476X	E CAPACITOR	47uF 16V M	
CB030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB032	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB033	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB034	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB035	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB036	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB038	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB039	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
CB040	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB041	NEH71CM-476X	E CAPACITOR	47uF 16V M	
CB042	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB043	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB044	NEH71CM-476X	E CAPACITOR	47uF 16V M	
CB045	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB046	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB047	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB048	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB049	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB050	NEH71CM-476X	E CAPACITOR	47uF 16V M	
CB051	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB052	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB053	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB101	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
CB104	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
CB105	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
CB106	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB107	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
CB110	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
CB111	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
CB112	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB113	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
CB116	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
CB117	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
CB118	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB119	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
CB120	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
CB121	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
CB122	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
CB123	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB124	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB125	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB126	NCB31EK-393X	C CAPACITOR	0.039uF 25V K	
CB127	NCB31HK-392X	C CAPACITOR	3900pF 50V K	
CB128	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB129	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	

⚠Ref No.	Part No.	Part Name	Description	Local
CB130	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB131	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB132	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB133	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB134	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB135	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB136	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB137	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB138	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB139	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB140	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB144	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB145	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB146	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB201	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB202	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB208	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB209	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB219	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
CB220	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB223	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB225	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB226	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB233	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
CB234	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
CB301	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB302	NBZ0007-107X	SP E CAPACITOR	100uF	
CB303	NBZ0007-107X	SP E CAPACITOR	100uF	
CB304	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB305	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB306	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB307	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB308	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB309	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB310	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB311	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB312	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
CB313	NCB31HK-682X	C CAPACITOR	6800pF 50V K	
CB314	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB315	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB316	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB317	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB318	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB319	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB320	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB321	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB322	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB323	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB324	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB325	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB326	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB327	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB328	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB329	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
CB330	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
CB331	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB332	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB333	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB334	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB335	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB336	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB337	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB340	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB341	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB342	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB343	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB344	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB345	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB346	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB347	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB348	NEH71EM-336X	E CAPACITOR	33uF 25V M	
CB349	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB350	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB351	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB352	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB353	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB354	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB355	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB356	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB357	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB359	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
CB360	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB361	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB362	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
CB363	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
CB364	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
CB365	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
CB371	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB375	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
CB376	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB379	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
CB380	NBZ0007-107X	SP E CAPACITOR	100uF	
CB401	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB402	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
CB403	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB404	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB405	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB407	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB409	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB410	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB411	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB412	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB414	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB424	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB427	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB431	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
CB501	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
CB502	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB503	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB504	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB505	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB506	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB507	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB511	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB512	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB531	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB532	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB551	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB552	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB571	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB572	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB601	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB602	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB603	NCB21HK-472X	C CAPACITOR	4700pF 50V K	
CB604	NEH71HM-474X	E CAPACITOR	0.47uF 50V M	
R002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R003	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R101	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R102	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R103	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R104	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R105	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R106	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R107	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R108	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R109	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R110	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R112	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R113	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R114	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R115	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R116	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R117	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R118	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R119	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R122	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R302	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R303	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R304	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R307	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R308	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R310	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R313	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R314	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R315	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R319	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R401	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R402	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R403	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R404	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R407	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R408	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R409	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R410	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R412	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R413	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R424	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R426	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R427	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R431	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R432	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R433	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R434	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
R437	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R438	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R439	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R442	NRSA63D-221X	MG RESISTOR	220Ω 1/16W D	
R443	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R444	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R461	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R463	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R464	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R465	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R466	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R467	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R468	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R469	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R471	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R472	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R473	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R474	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R475	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R477	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R479	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R480	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R481	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R482	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R483	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R484	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R485	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R486	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R498	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R503	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R504	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R505	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R506	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R510	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R515	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R516	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R517	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R551	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R552	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R553	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R554	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R555	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R556	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R557	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R558	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R559	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R560	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R561	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R562	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R563	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R565	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R651	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R652	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R655	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R656	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R657	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R658	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R660	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R661	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R663	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R664	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R666	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R667	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R670	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R671	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R672	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R673	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R674	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R675	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R676	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R677	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R678	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R679	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R680	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R701	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R702	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R703	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R704	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R705	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R706	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R707	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
R708	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R716	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R718	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R719	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R720	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R723	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R724	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R725	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R726	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R727	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R728	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R731	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R732	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R748	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R751	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R752	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R753	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R754	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R755	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R756	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R759	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R760	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R761	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R762	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R763	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R764	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R765	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R766	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R767	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R768	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R769	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R770	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R771	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R773	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R774	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R775	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R776	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R777	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R778	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R779	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R780	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R781	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R783	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R784	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R785	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R786	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R787	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R788	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R789	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R790	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R791	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R792	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R793	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R798	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R799	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R801	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R802	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R803	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R804	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R805	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R806	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R807	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
R808	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R809	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R816	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R817	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R818	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R819	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R849	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R851	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R852	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R853	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R854	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R855	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R856	NRSA63J-155X	MG RESISTOR	1.5MΩ 1/16W J	
R859	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R860	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R861	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R862	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R863	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R864	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R865	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R866	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R867	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R868	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R869	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R870	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R873	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R874	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R875	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R876	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R877	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R878	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R879	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R880	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R883	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R884	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R885	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R886	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R887	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R888	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R889	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R890	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R893	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R899	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R901	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R903	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R904	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R905	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R906	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R907	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R909	NRSA63J-511X	MG RESISTOR	510Ω 1/16W J	
R911	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R912	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R913	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R914	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R915	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R916	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R918	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R920	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R921	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R927	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R930	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R931	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R932	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R934	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R937	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R938	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R939	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R940	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R941	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R942	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R943	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R946	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R964	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R967	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R968	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R991	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R992	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R993	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R997	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R998	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R999	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RA001	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA002	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA003	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA004	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA005	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA006	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA007	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA008	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA009	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA010	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA011	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA012	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA013	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA014	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA015	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA016	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA017	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA101	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA102	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA103	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA104	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA105	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA106	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA107	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA108	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA109	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA110	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA111	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA112	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA113	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA114	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA115	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA116	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA117	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA118	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA119	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA120	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA121	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA122	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA123	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA124	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA125	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA126	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA127	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA128	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA129	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA130	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA131	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA132	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA133	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA134	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA135	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA201	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J x4	
RA203	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA204	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA205	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA206	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA207	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA208	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA209	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA210	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA211	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA212	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA213	NRZ0040-102X	NET RESISTOR	1kΩ 1/16W J x4	
RA214	NRZ0040-102X	NET RESISTOR	1kΩ 1/16W J x4	
RA461	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA462	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA463	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA464	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA465	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA466	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA467	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA468	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RB001	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
RB002	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
RB003	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
RB004	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB005	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB006	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB009	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB010	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
RB011	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB015	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
RB016	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
RB017	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
RB018	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB019	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB020	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
RB021	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB022	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB023	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB024	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
RB028	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
RB029	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
RB030	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
RB031	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB032	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB033	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
RB034	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB035	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB036	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB037	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
RB051	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB052	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB053	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB054	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
RB055	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
RB056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB057	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
RB058	NRSA63J-155X	MG RESISTOR	1.5MΩ 1/16W J	
RB060	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB061	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB062	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB067	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB103	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB105	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
RB106	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB108	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
RB110	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
RB111	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
RB114	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB116	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
RB117	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB119	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
RB121	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB122	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB125	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB127	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
RB128	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB130	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
RB132	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB133	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB134	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB135	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB136	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB138	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB139	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB140	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
RB141	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB142	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB144	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB145	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB148	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB149	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB151	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB152	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB153	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB154	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB155	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB156	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB157	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RB158	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
RB159	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RB160	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
RB161	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RB162	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
RB206	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
RB211	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB212	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB223	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
RB224	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB225	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB226	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB227	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB228	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RB229	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RB230	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RB235	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB240	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB241	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB242	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB243	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB244	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB245	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB246	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB247	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB248	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB249	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB250	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB251	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB252	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB253	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB254	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB255	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB256	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB257	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB258	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB260	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB261	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB262	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB263	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB264	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB265	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB266	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB267	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB301	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB302	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB304	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB307	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB308	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB309	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB310	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB311	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB312	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

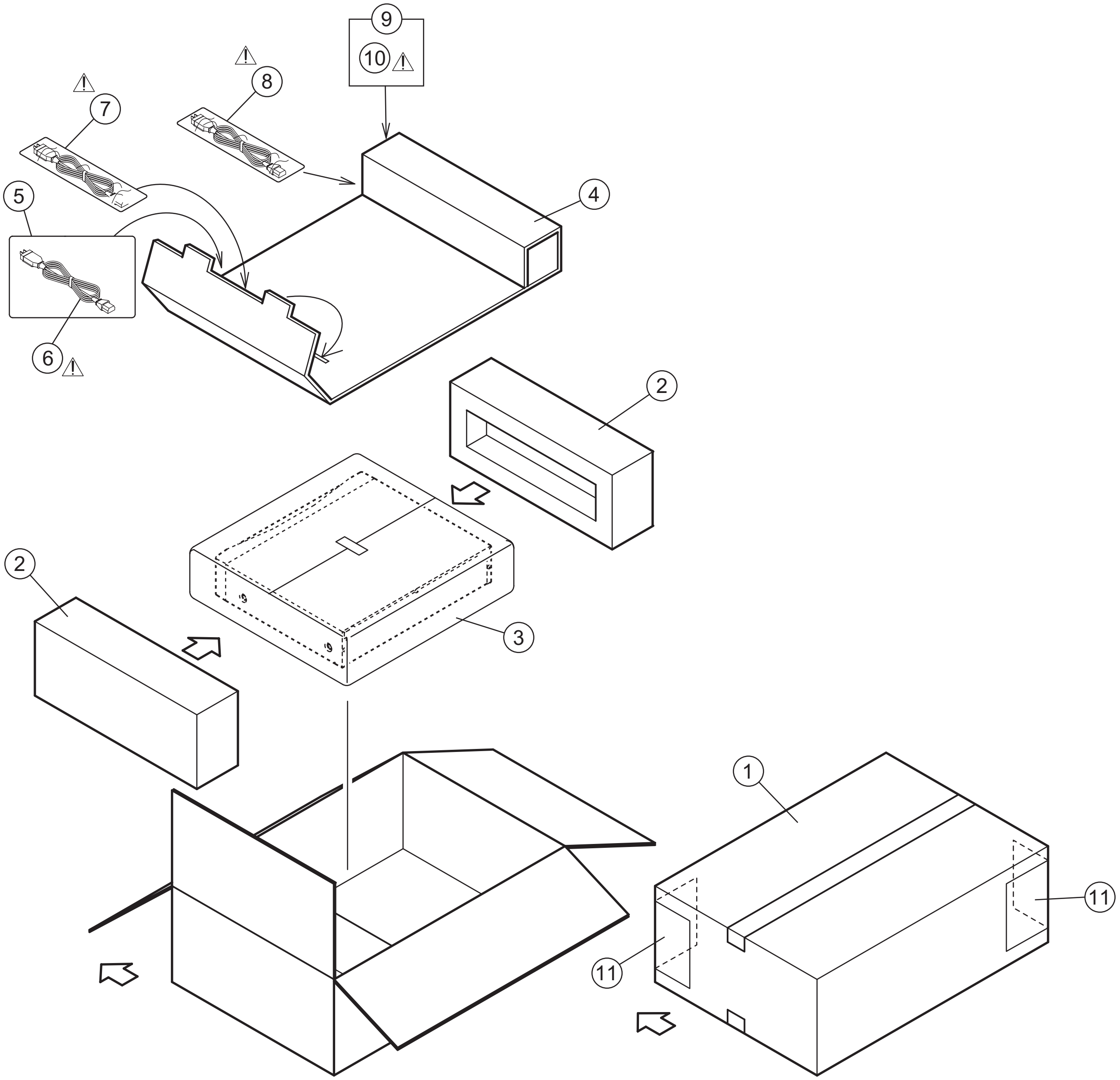
⚠Ref No.	Part No.	Part Name	Description	Local
RB318	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB319	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB320	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB324	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB325	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB328	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB329	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB331	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB332	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB333	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB334	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB335	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB336	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB337	NRSA63D-471X	MG RESISTOR	470Ω 1/16W D	
RB338	NRSA63D-471X	MG RESISTOR	470Ω 1/16W D	
RB339	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB340	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB341	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB342	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB343	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
RB344	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
RB345	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB346	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB347	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB349	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB350	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB351	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB352	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB353	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB354	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
RB355	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
RB361	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB362	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
RB363	NRVA02D-103X	CMF RESISTOR	10kΩ 1/10W D	
RB364	NRVA02D-222X	CMF RESISTOR	2.2kΩ 1/10W D	
RB365	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB366	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
RB367	NRVA02D-103X	CMF RESISTOR	10kΩ 1/10W D	
RB368	NRVA02D-682X	CMF RESISTOR	6.8kΩ 1/10W D	
RB375	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB376	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB377	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB401	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB402	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB403	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
RB404	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB405	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB406	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB407	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB408	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB411	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB413	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB415	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB417	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB418	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB420	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB421	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB422	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB424	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB425	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB429	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB431	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB442	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB443	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB444	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB445	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB446	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB447	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB448	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB457	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB458	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB459	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB460	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB461	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB462	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB473	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB474	NRVA02D-562X	CMF RESISTOR	5.6kΩ 1/10W D	
RB475	NRVA02D-103X	CMF RESISTOR	10kΩ 1/10W D	
RB482	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB483	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB502	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB511	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB512	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB513	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB514	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB515	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB516	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
RB531	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB532	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB533	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB534	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB535	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB536	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB551	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB552	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB553	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB554	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB555	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB556	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB571	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB572	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB573	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB574	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB575	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB576	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB601	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB602	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB604	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
RB605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB606	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB607	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB608	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB609	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB610	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB612	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB613	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
RB621	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L001	NQR0413-003X	FERRITE BEADS		
L002	NQR0413-003X	FERRITE BEADS		
L003	NQR0413-003X	FERRITE BEADS		
L004	NQR0413-003X	FERRITE BEADS		
L005	NQR0413-003X	FERRITE BEADS		
L101	NQL092K-6R8X	P COIL	6.8uH K	
L302	NQL092K-3R3X	P COIL	3.3uH K	
L401	NQL092K-6R8X	P COIL	6.8uH K	
L403	NQR0413-003X	FERRITE BEADS		
L431	NQL092K-100X	P COIL	10uH K	
L461	NQR0413-003X	FERRITE BEADS		
L462	NQR0413-003X	FERRITE BEADS		
L501	NQL092K-2R2X	P COIL	2.2uH K	
L502	NQL092K-2R2X	P COIL	2.2uH K	
L503	NQL092K-2R2X	P COIL	2.2uH K	
L504	NQL092M-220X	P COIL	22uH M	
L691	NQR0413-003X	FERRITE BEADS		
L707	NQR0413-003X	FERRITE BEADS		
L708	NQR0413-003X	FERRITE BEADS		
L751	NQL092K-6R8X	P COIL	6.8uH K	
L752	NQL092K-6R8X	P COIL	6.8uH K	
L753	NQL092K-6R8X	P COIL	6.8uH K	
L754	NQL092M-270X	P COIL	27uH M	
L761	NQL034K-220X	P COIL	22uH K	
L762	NQL034K-101X	P COIL	100uH K	
L763	NQL034K-220X	P COIL	22uH K	
L764	NQL034K-101X	P COIL	100uH K	
L765	NQL034K-101X	P COIL	100uH K	
L766	NQL034K-220X	P COIL	22uH K	
L767	NQL034K-220X	P COIL	22uH K	
L768	NQR0413-003X	FERRITE BEADS		
L769	NQL092M-180X	P COIL	18uH M	
L807	NQR0413-003X	FERRITE BEADS		
L808	NQR0413-003X	FERRITE BEADS		
L809	NQR0413-003X	FERRITE BEADS		
L851	NQL092K-6R8X	P COIL	6.8uH K	
L852	NQL092K-6R8X	P COIL	6.8uH K	
L853	NQL092K-6R8X	P COIL	6.8uH K	
L854	NQL092M-270X	P COIL	27uH M	
L861	NQL034K-220X	P COIL	22uH K	
L862	NQL034K-101X	P COIL	100uH K	
L863	NQL034K-101X	P COIL	100uH K	
L864	NQL034K-101X	P COIL	100uH K	
L865	NQL034K-220X	P COIL	22uH K	
L866	NQL034K-220X	P COIL	22uH K	
L867	NQL034K-220X	P COIL	22uH K	
L868	NQR0413-003X	FERRITE BEADS		
L869	NQL092M-180X	P COIL	18uH M	
LB001	NQL092M-180X	P COIL	18uH M	
LB002	NQL085J-101X	COIL	100uH J	
LB003	NQL085J-101X	COIL	100uH J	
LB005	NQR0413-003X	FERRITE BEADS		
LB007	NQL092K-2R2X	P COIL	2.2uH K	
LB008	NQL092K-2R2X	P COIL	2.2uH K	
LB009	NQL092K-2R2X	P COIL	2.2uH K	
LB101	NQR0413-003X	FERRITE BEADS		
LB102	NQR0413-003X	FERRITE BEADS		
LB104	NQR0413-003X	FERRITE BEADS		
LB106	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LB107	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LB109	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LB201	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LB202	NQR0413-003X	FERRITE BEADS		
LB204	NQR0413-003X	FERRITE BEADS		
LB207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K501	NQR0413-003X	FERRITE BEADS		
K502	NQR0413-003X	FERRITE BEADS		
K503	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K901	NQR0413-003X	FERRITE BEADS		
K902	NQR0413-003X	FERRITE BEADS		
K903	NQR0413-003X	FERRITE BEADS		
K905	NQR0413-003X	FERRITE BEADS		
KB002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB003	NQR0413-002X	FERRITE BEADS		
KB004	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB008	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB012	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB013	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB014	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB015	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB020	NQR0413-002X	FERRITE BEADS		
KB021	NQR0413-002X	FERRITE BEADS		
KB022	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB201	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB202	NQR0413-003X	FERRITE BEADS		
LC005	NQR0483-005X	EMI FILTER		
LC006	NQR0483-005X	EMI FILTER		
LC008	NQR0483-005X	EMI FILTER		
LC009	NQR0483-005X	EMI FILTER		
LC010	NQR0483-005X	EMI FILTER		
LC011	NQR0483-005X	EMI FILTER		
LC012	NQR0416-001X	EMI FILTER	240pF 16V M	
LC013	NQR0416-001X	EMI FILTER	240pF 16V M	
LC017	NQR0483-005X	EMI FILTER		
LC018	NQR0483-005X	EMI FILTER		
LC019	NQR0483-005X	EMI FILTER		
LC020	NQR0483-005X	EMI FILTER		
LC021	NQR0483-005X	EMI FILTER		
LC025	NQR0483-005X	EMI FILTER		
LC029	NQR0483-005X	EMI FILTER		
LC030	NQR0483-005X	EMI FILTER		
LC031	NQR0483-005X	EMI FILTER		
LC032	NQR0483-005X	EMI FILTER		
LC051	NQR0450-008X	EMI FILTER	2200pF 50V M	
LC052	NQR0450-008X	EMI FILTER	2200pF 50V M	
LC053	NQR0450-008X	EMI FILTER	2200pF 50V M	
LC401	NQR0450-004X	EMI FILTER	100pF 50V M	
LC601	NQR0483-005X	EMI FILTER		
X101	NAX0539-001X	CXO	10.000MHz	
X301	NAX0118-001X	CRYSTAL	20.000MHz	
X401	NAX0632-001X	CXO		
X701	QAX0305-001	CRYSTAL	16.200MHz	
X801	QAX0305-001	CRYSTAL	16.200MHz	
Y802	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y803	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
	LC21236-001C	SHILD CASE		
	LC21237-001B	SHILD COVER(1)		
	LC21238-001B	SHILD COVER(2)		

DIST RELAY PW BOARD ASS’Y (LCA90071-03B)

⚠Ref No.	Part No.	Part Name	Description	Local
CN015	QGC2507C1-96	CONNECTOR		
	LC32119-001B	SHIELD FRAME		

PACKING



PACKING PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	LC32143-015A	PACKING CASE		
	2	LC11392-001A	CUSHION ASS'Y	2pcs in 1set	
	3	PQM30021-105	POLY BAG		
	4	LC21225-001B	SPACER		
	5	QPA01203005	POLY BAG	12cm x 30cm	TU-42DV2
⚠	6	QMPL050-250-K	POWER CORD(EU)	2.5m BLACK	TU-42DV2
⚠	7	QMPP170-200-JC	POWER CORD(EK)	2m BLACK	
⚠	8	QMPB320-180-R	POWER CORD(JP)	1.8m BLACK	TU-42DV2
	9	QPA01001607	POLY BAG	10cm x 16cm	
⚠	10	QQR0491-001	FERRITE CORE	(GRAY)	
	11	LC20989-001A-H	CORNER LABEL	(x3)	